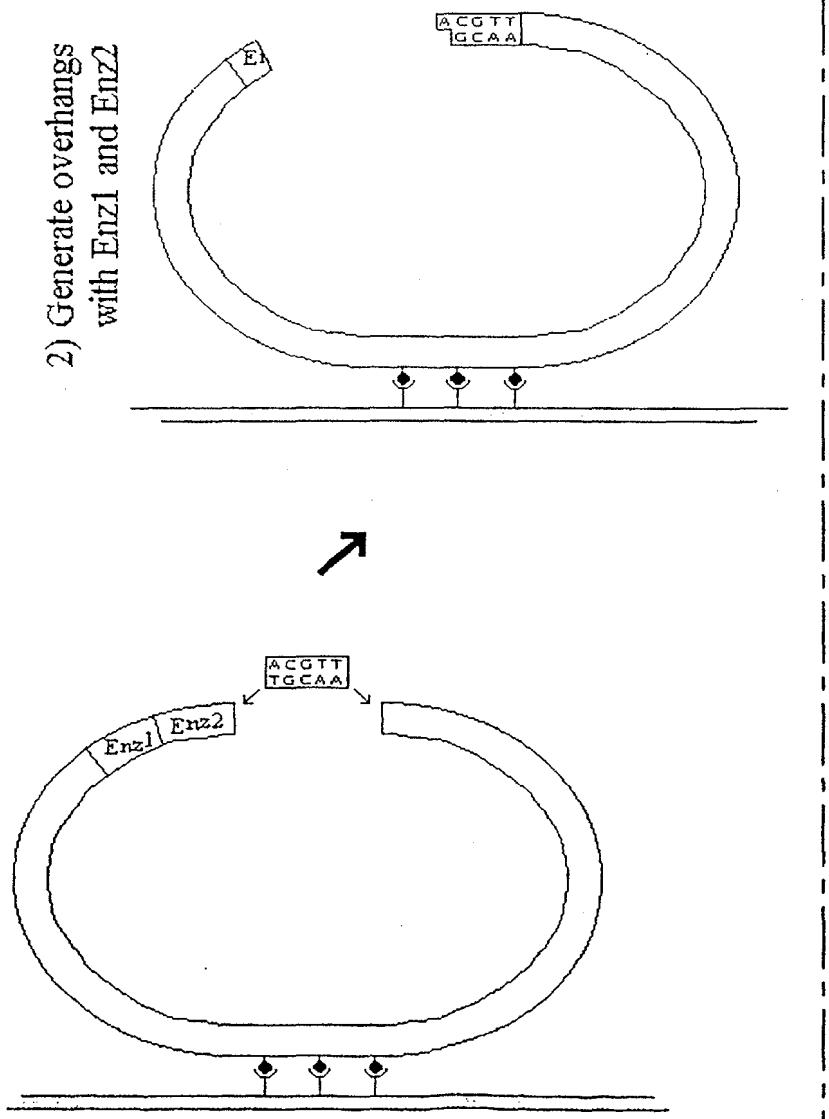
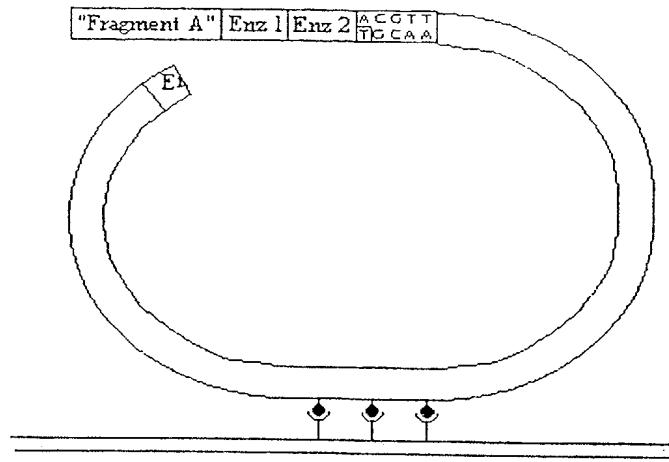


FIG. 1

- 1) Ligate DNA pieces with base vector
- 2) Generate overhangs with Enz1 and Enz2



### 3) Ligation with DNA fragments



4) Blunt end ligation

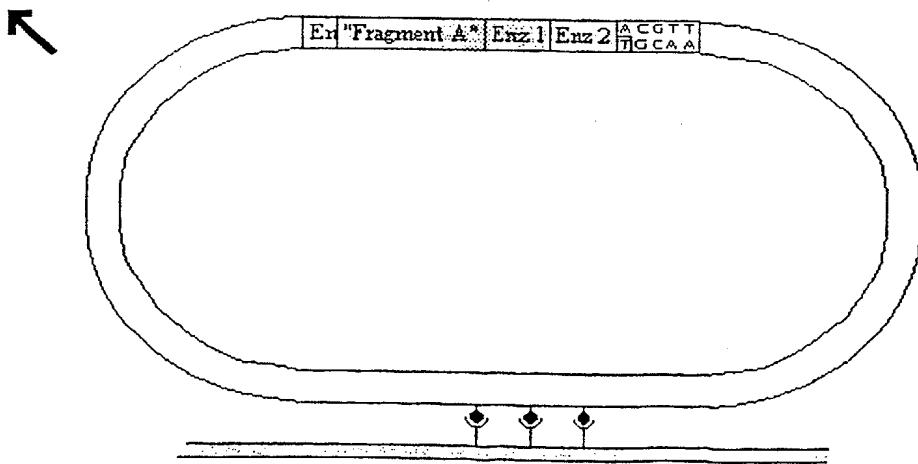


FIG. 1 CONT'D

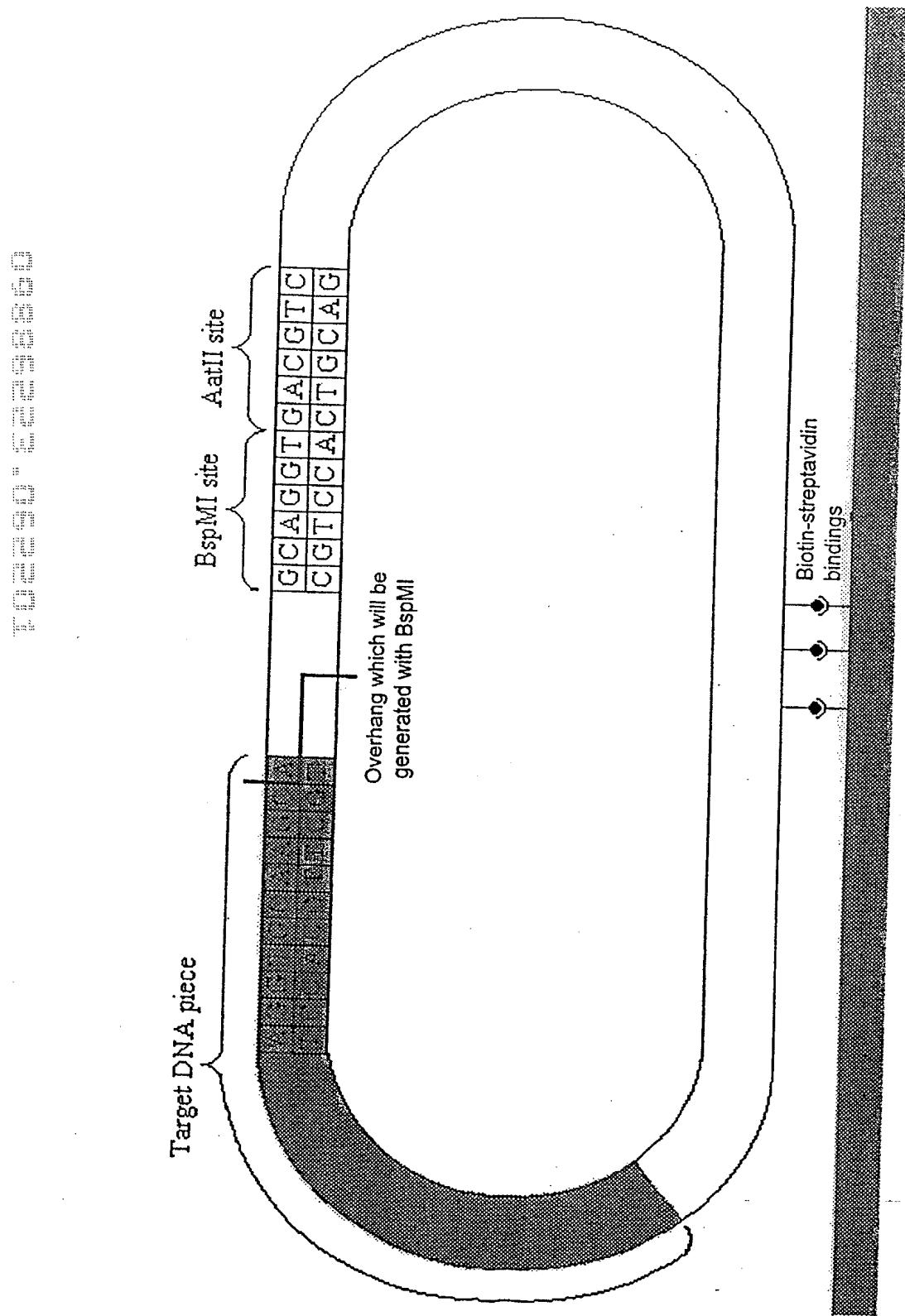


FIG. 2A

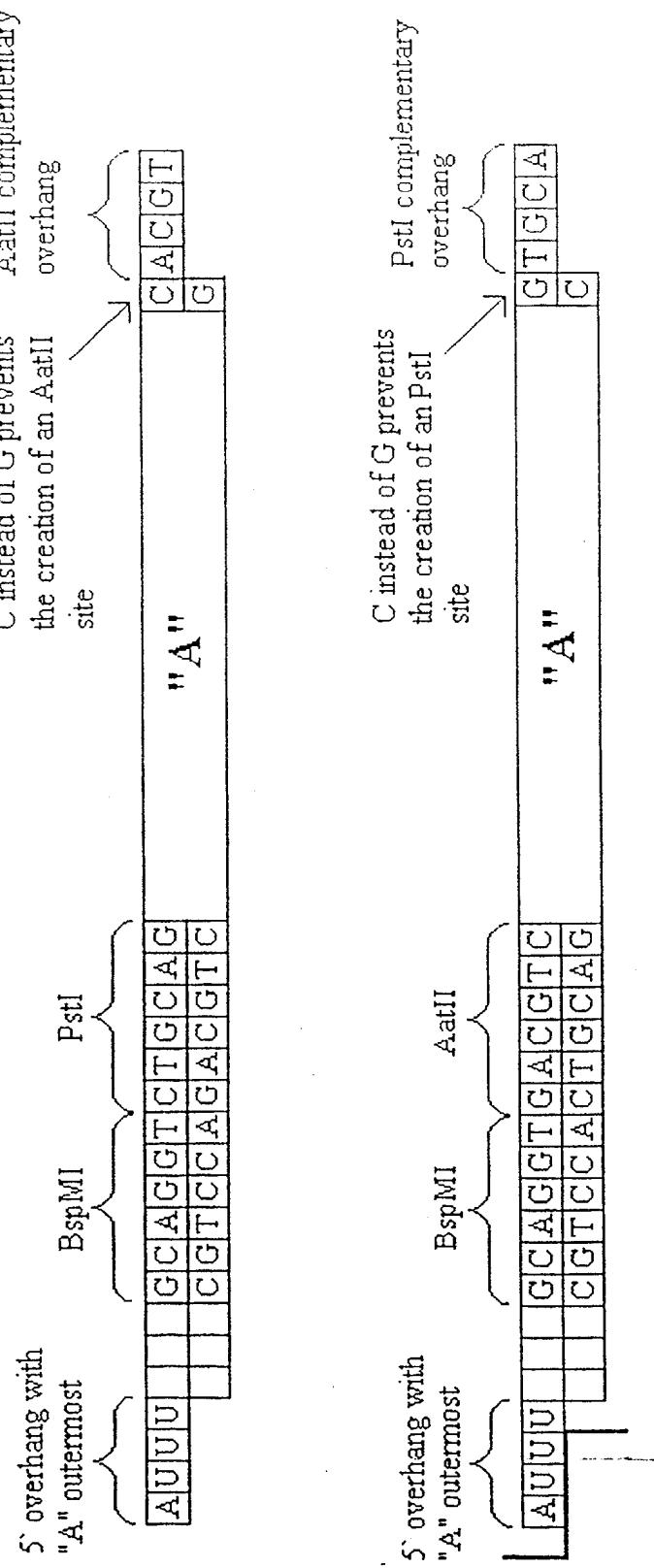
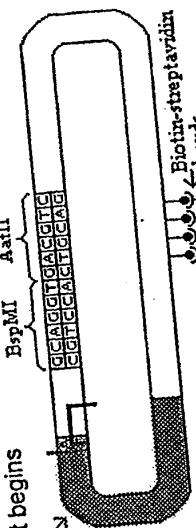


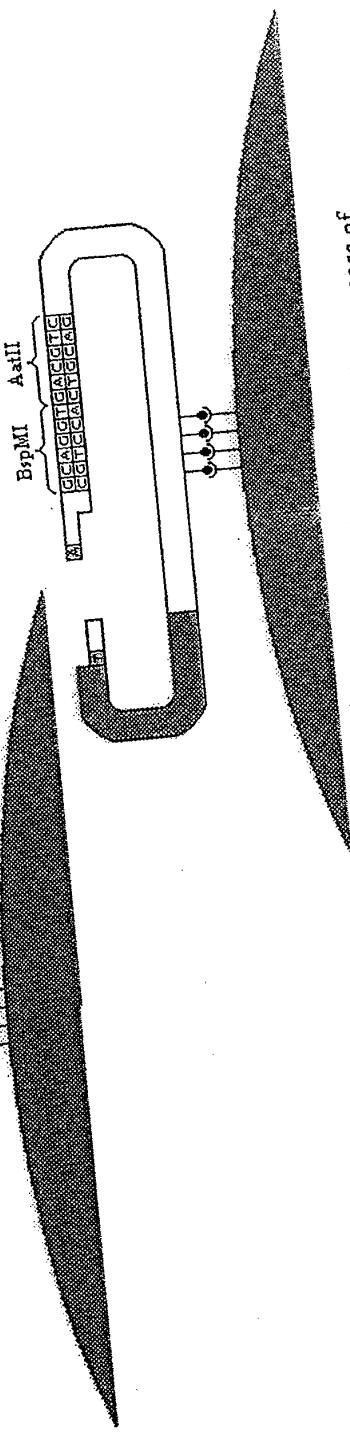
FIG. 2B

FIG. 2C

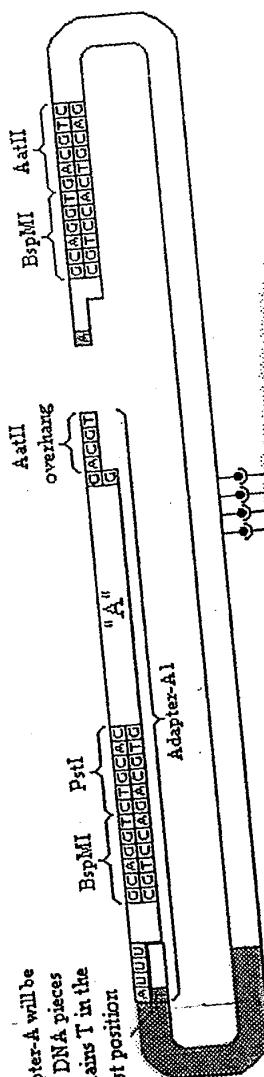
DNA piece that begins with adenine →



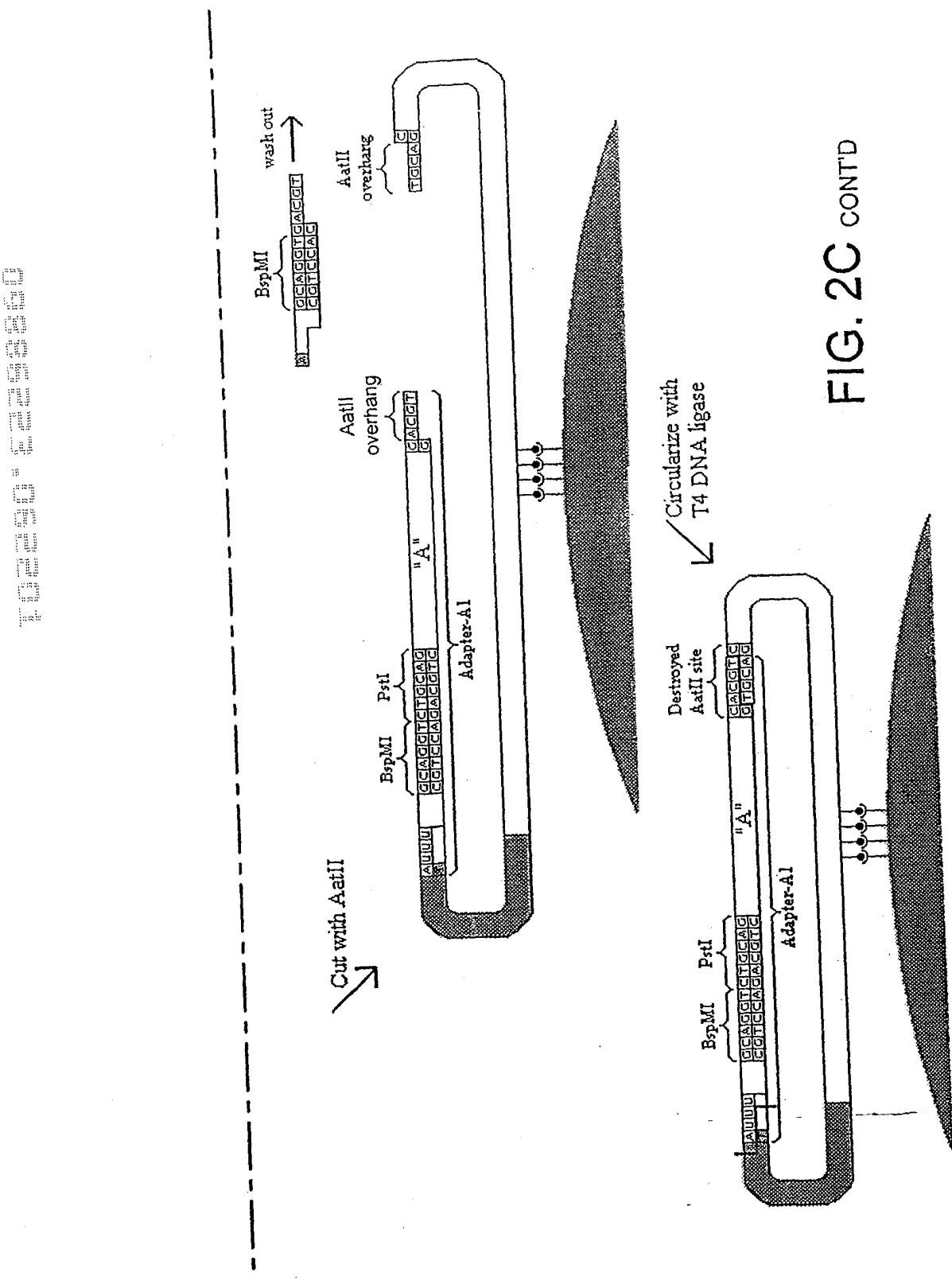
Cut with BspMI



Ligate with an excess of  
adapter-A1, -C1, -G1 and -T1



Only adapter-A will be  
ligated to DNA pieces  
that contains T in the  
innermost position



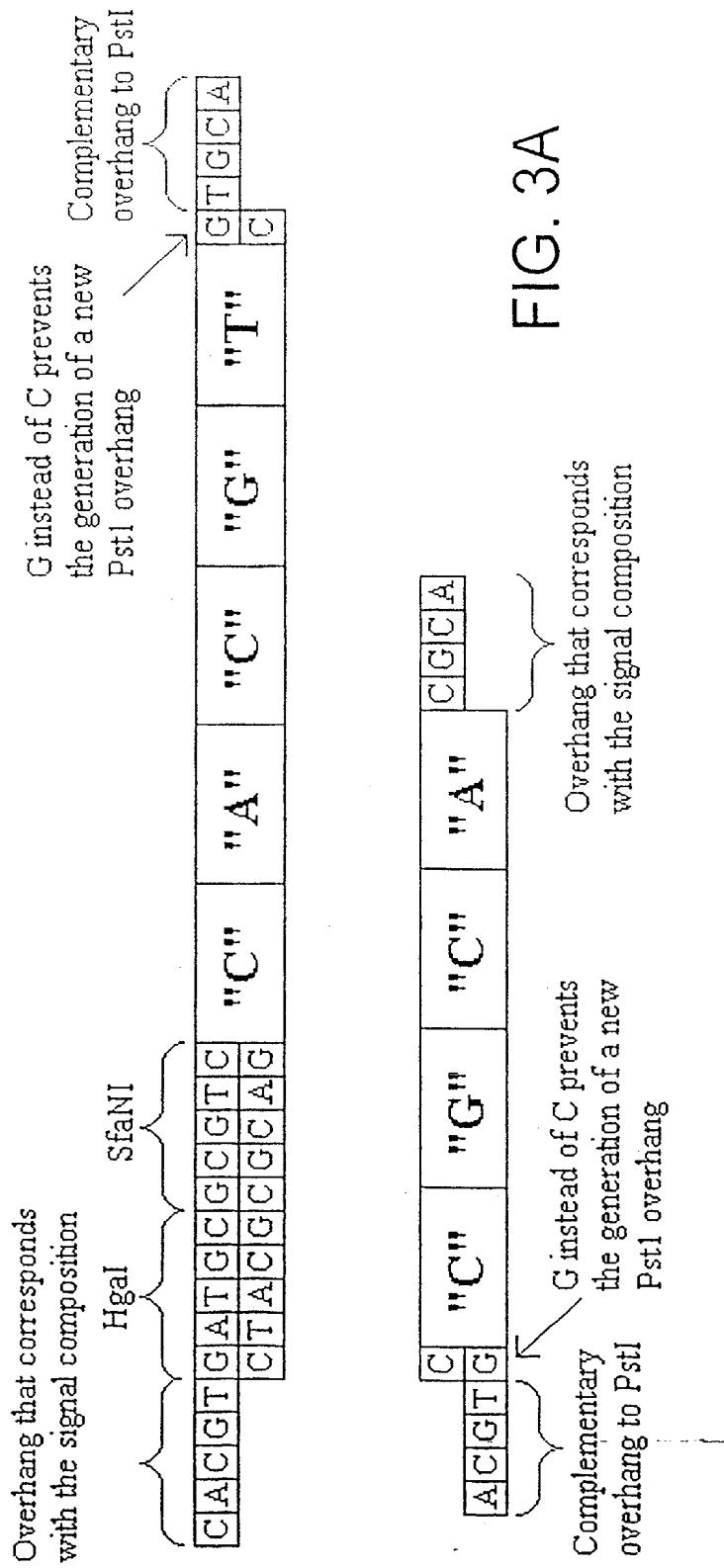
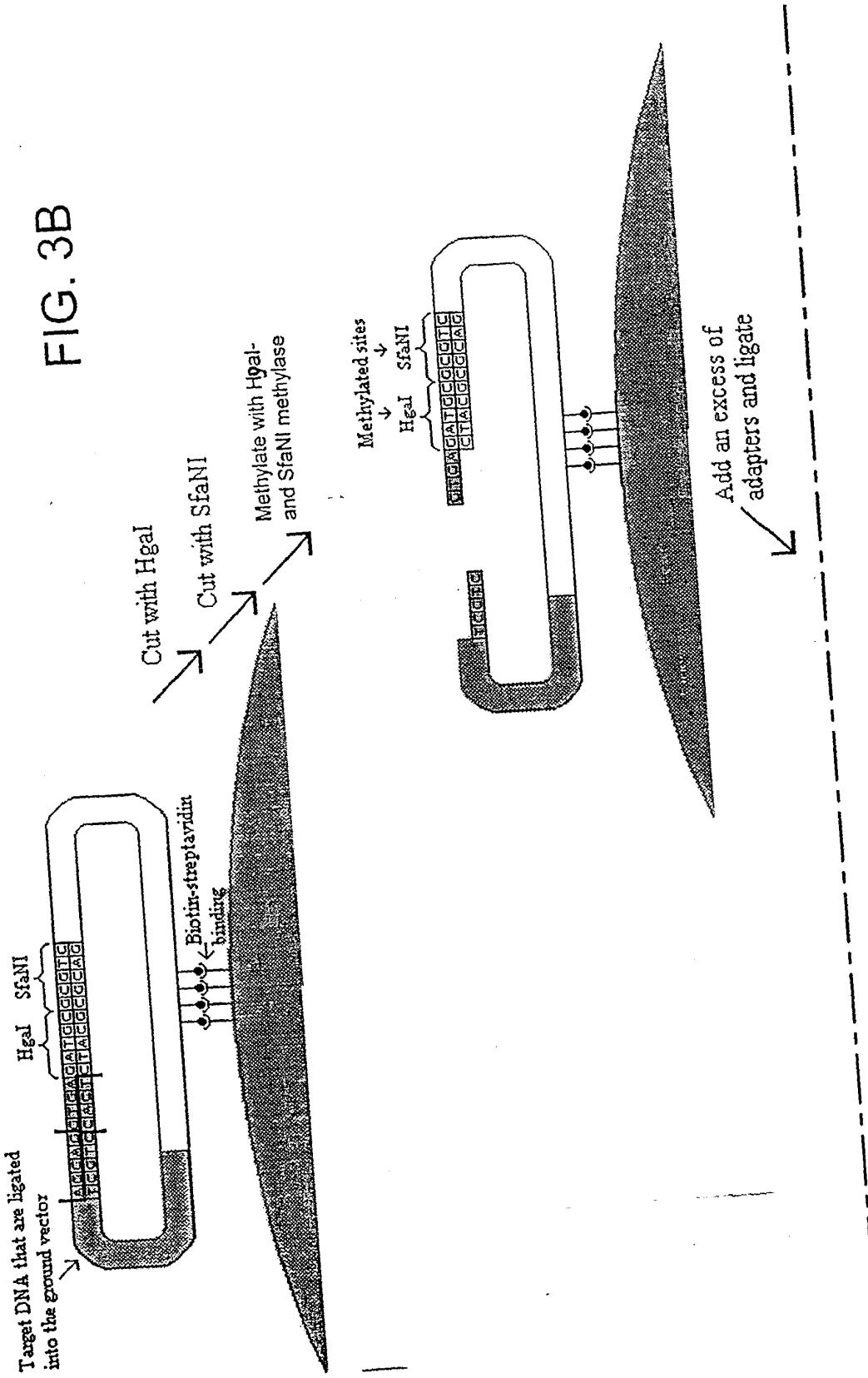
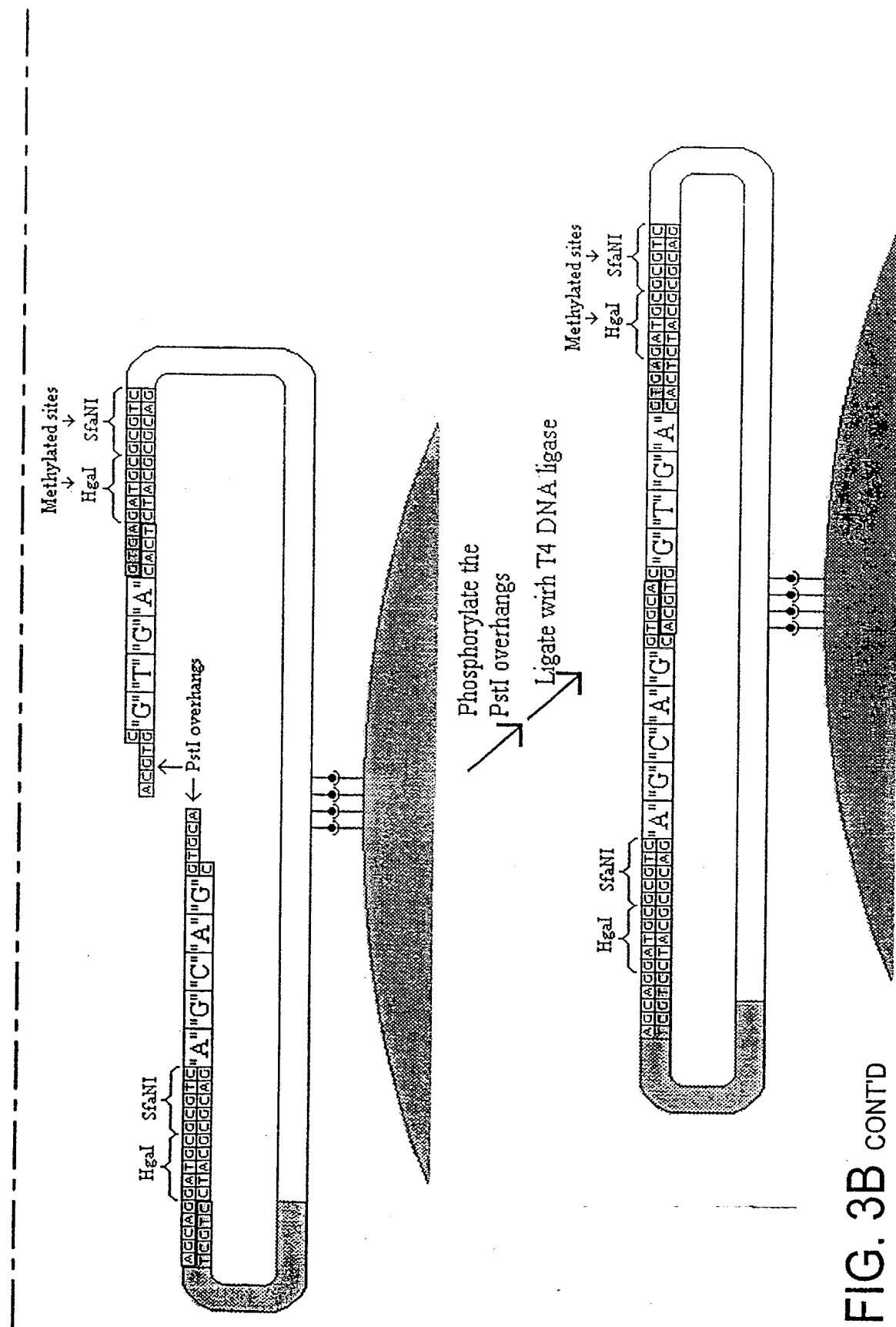
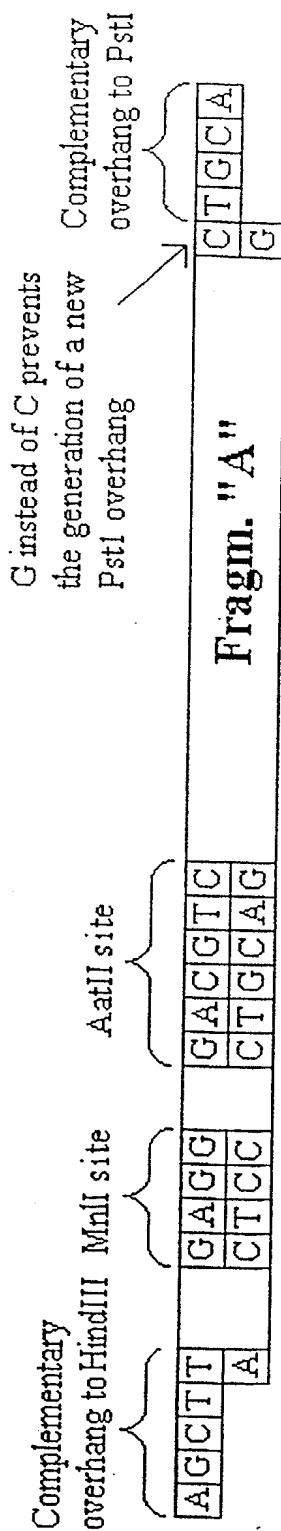
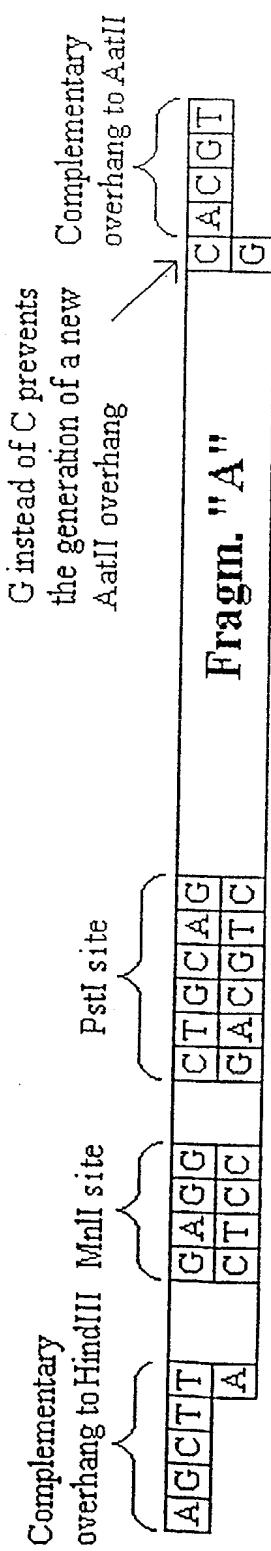


FIG. 3B

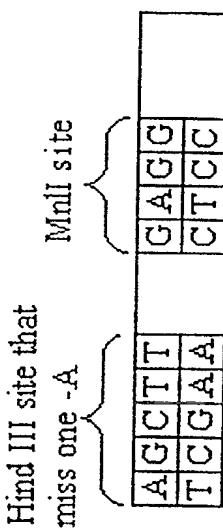




**SUBSTITUTE SHEET (RULE 26)**



**FIG. 4A**



**FIG. 4B**

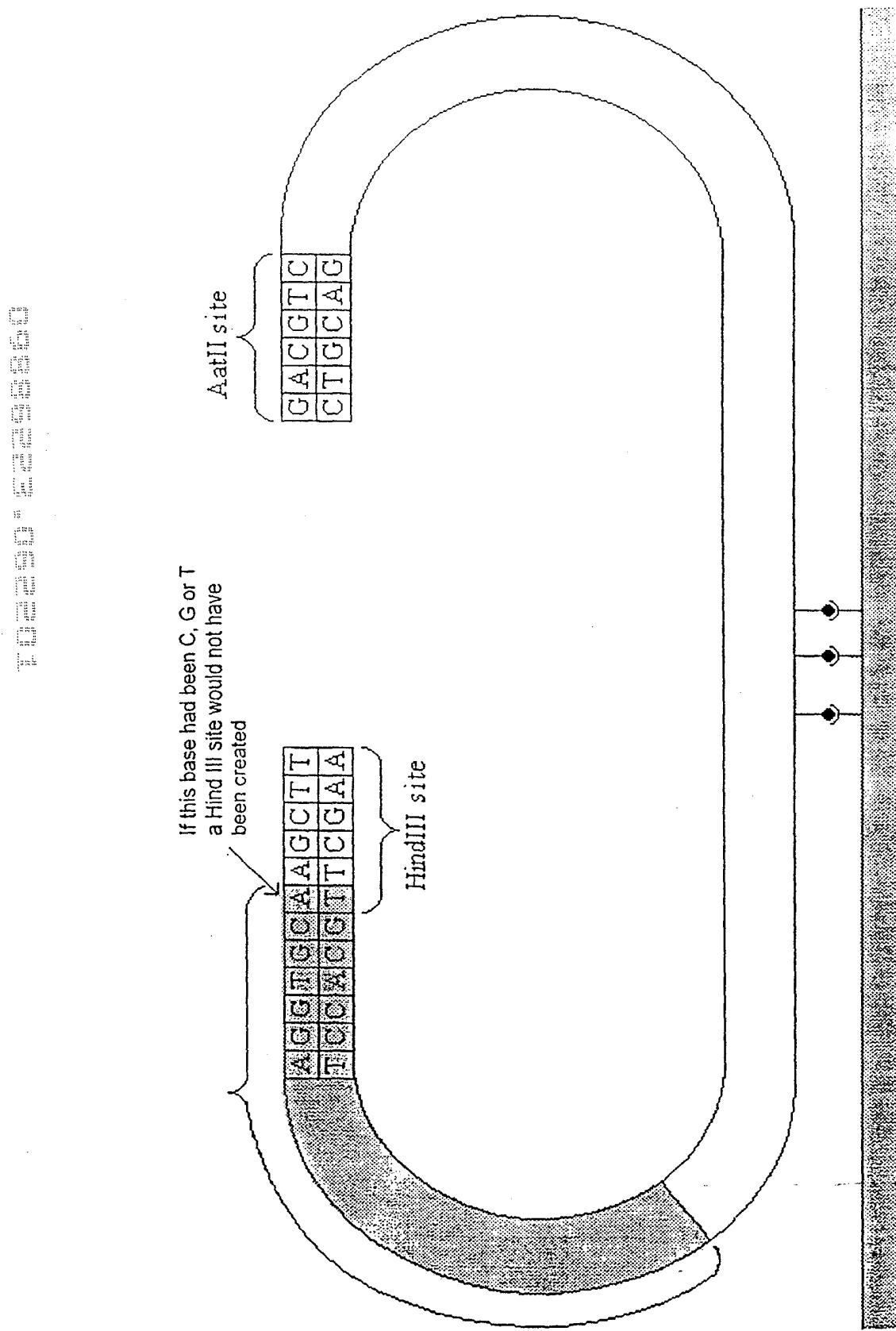
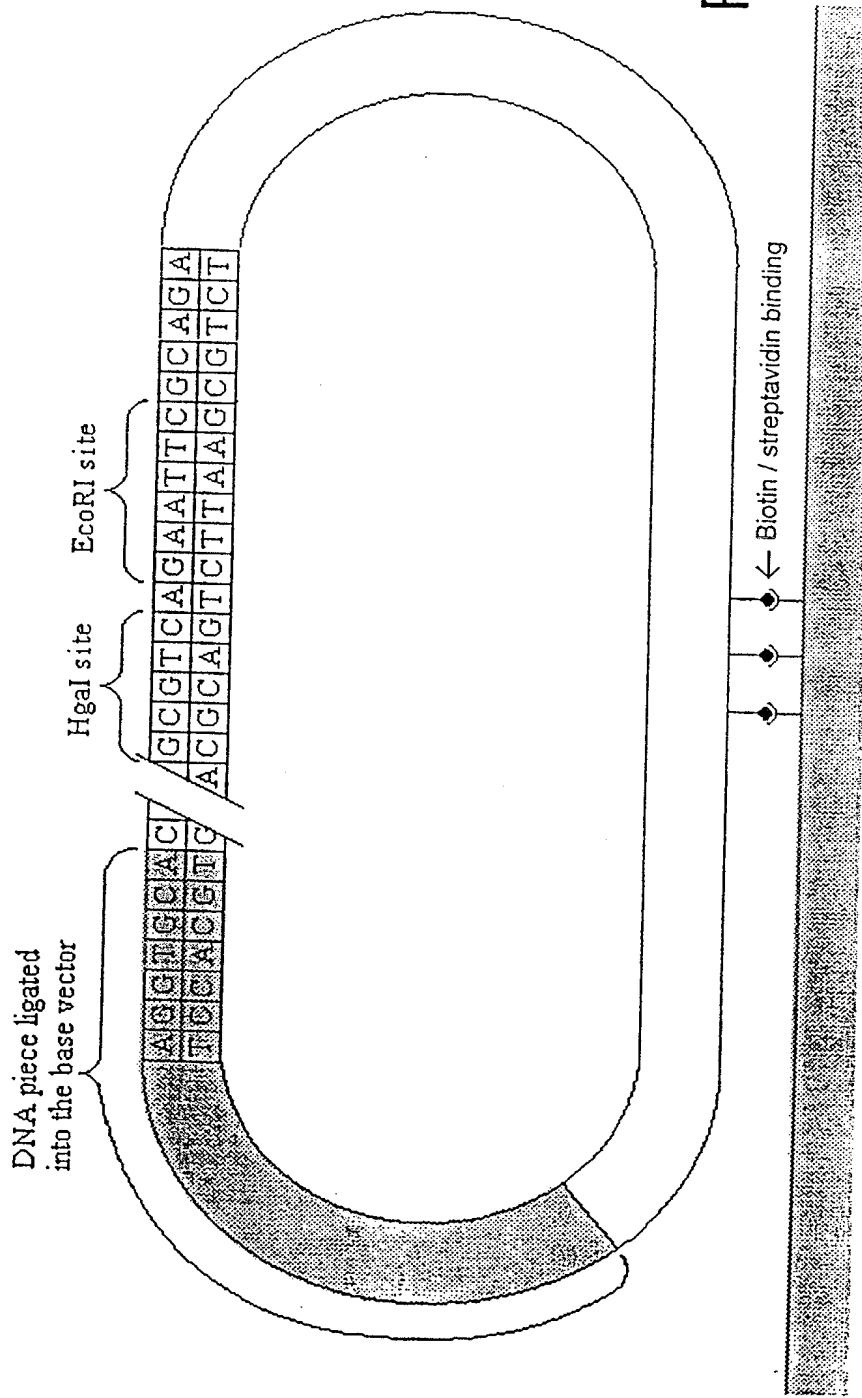
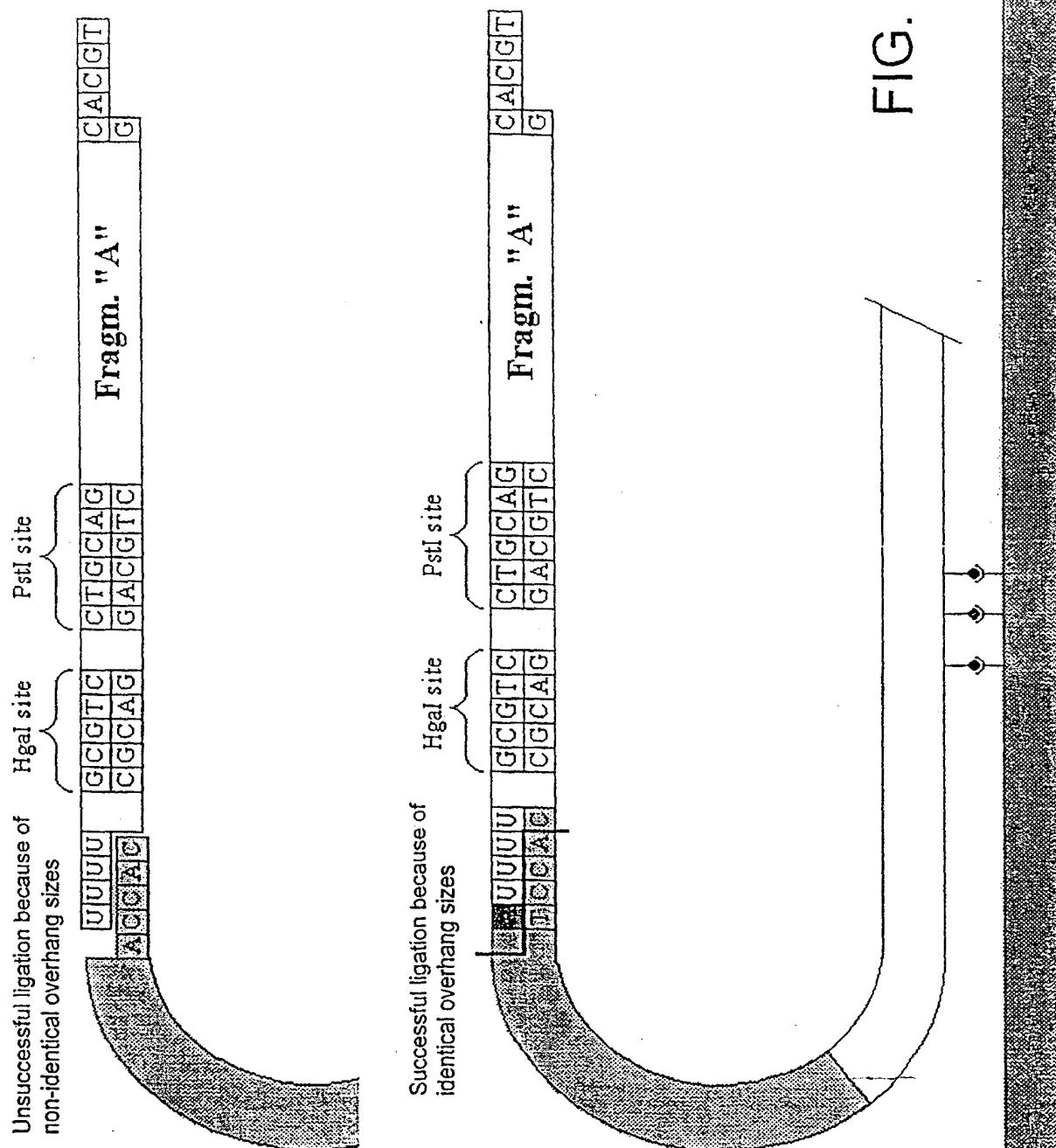


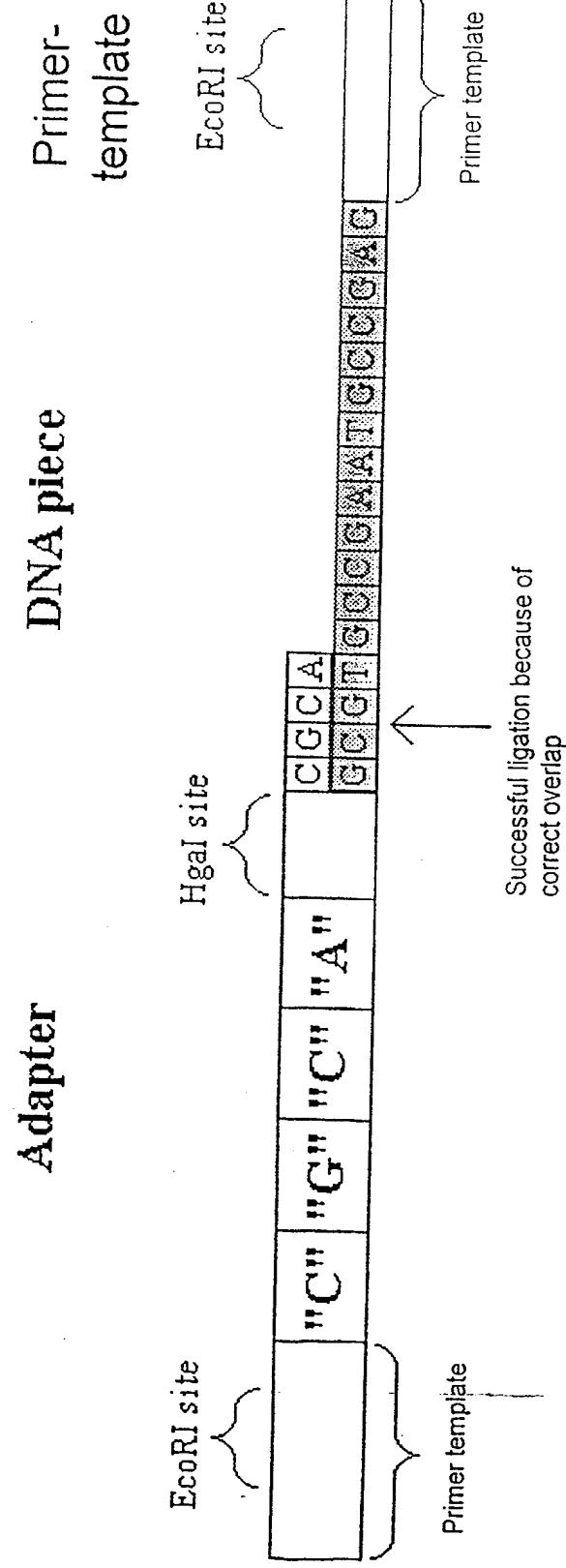
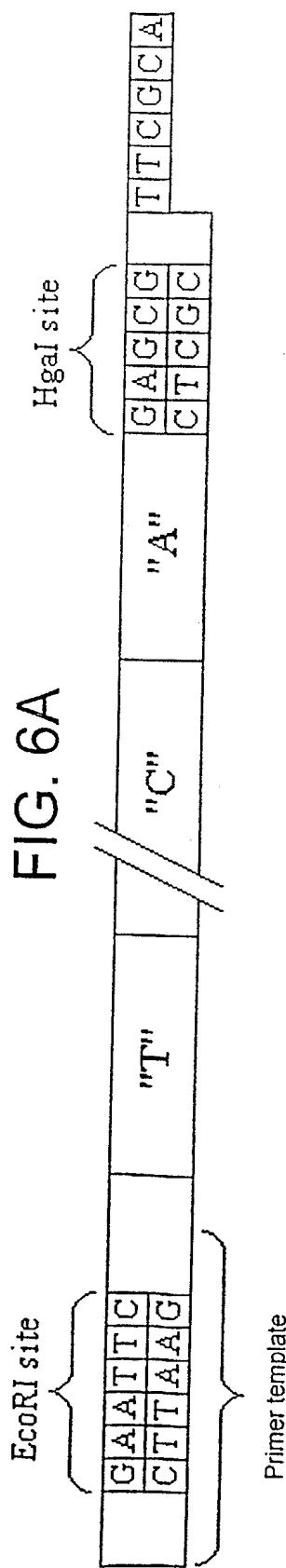
FIG. 4C

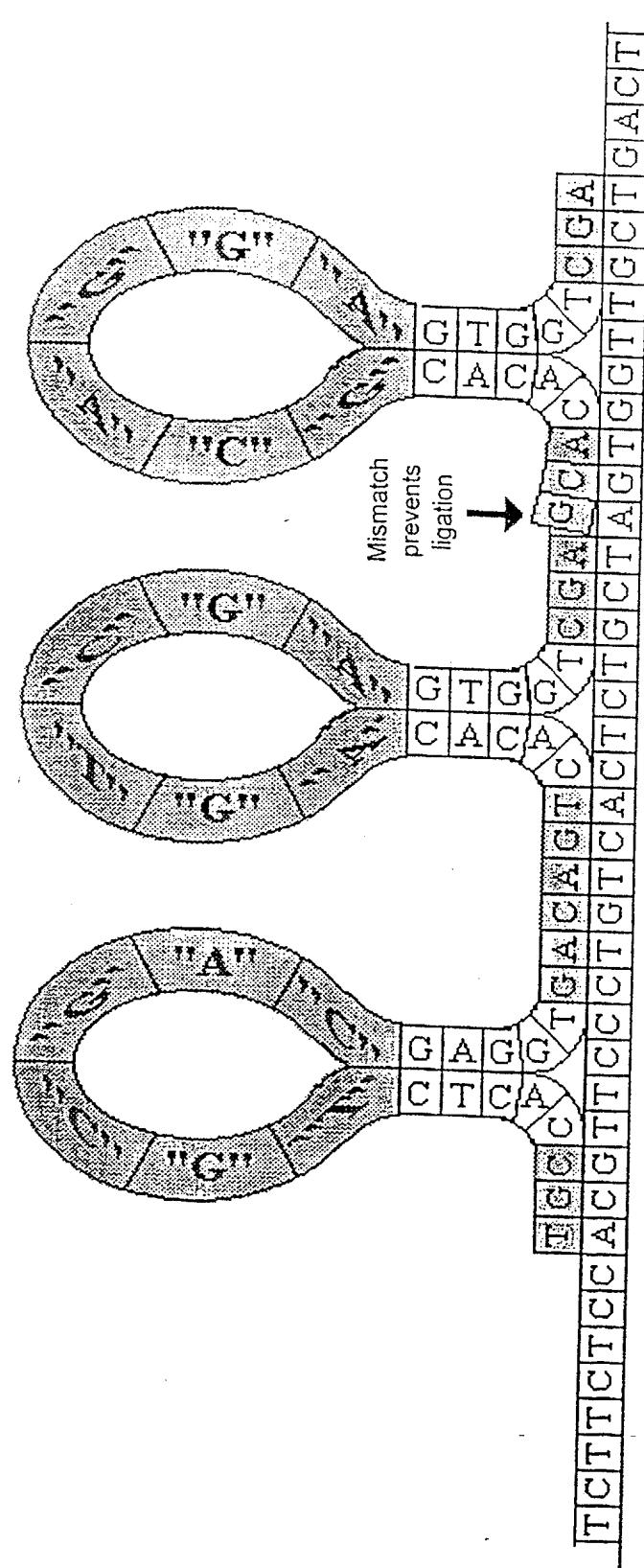
FIG. 5A



**SUBSTITUTE SHEET (RULE 26)**







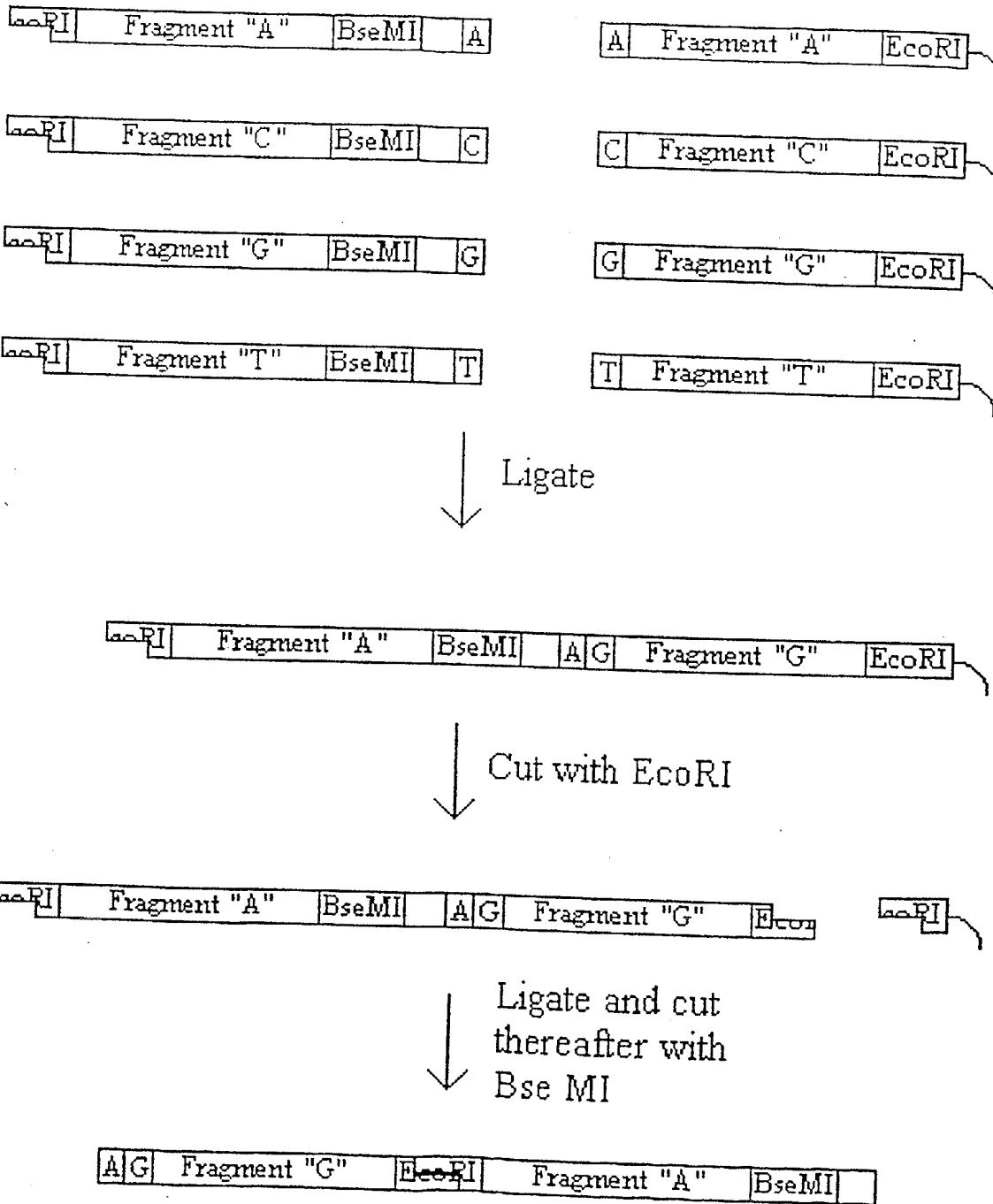


FIG. 8

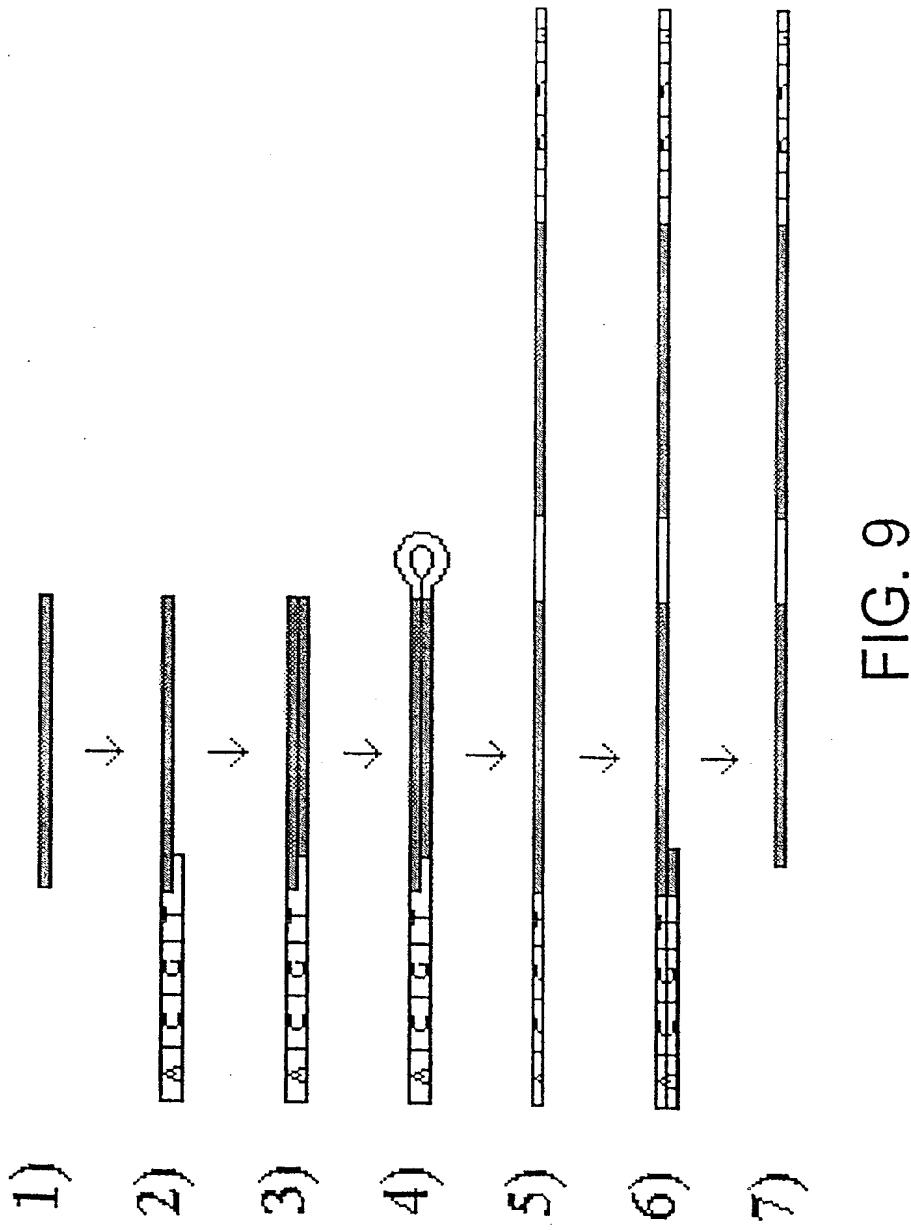
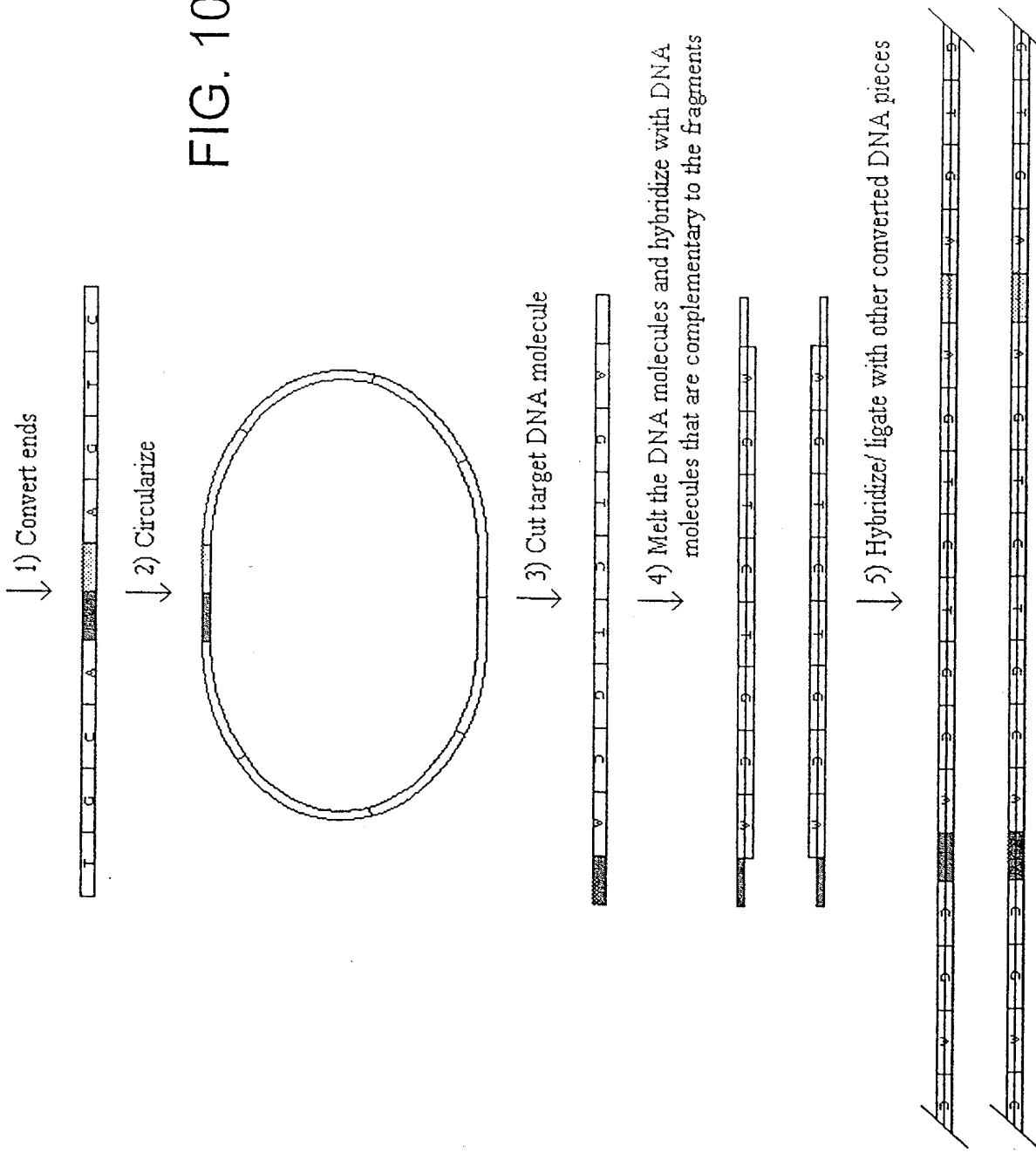


FIG. 9

FIG. 10



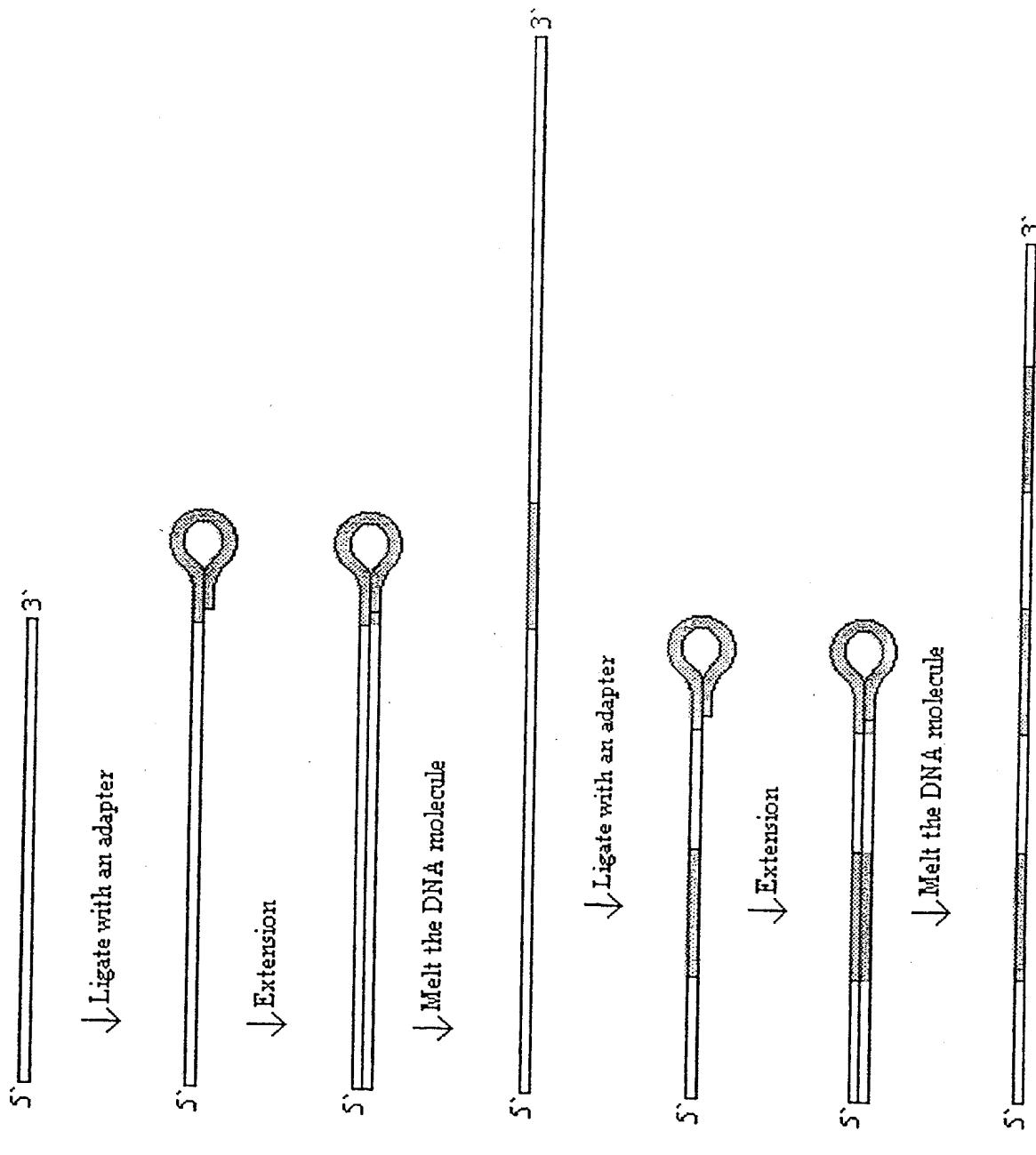


FIG. 11

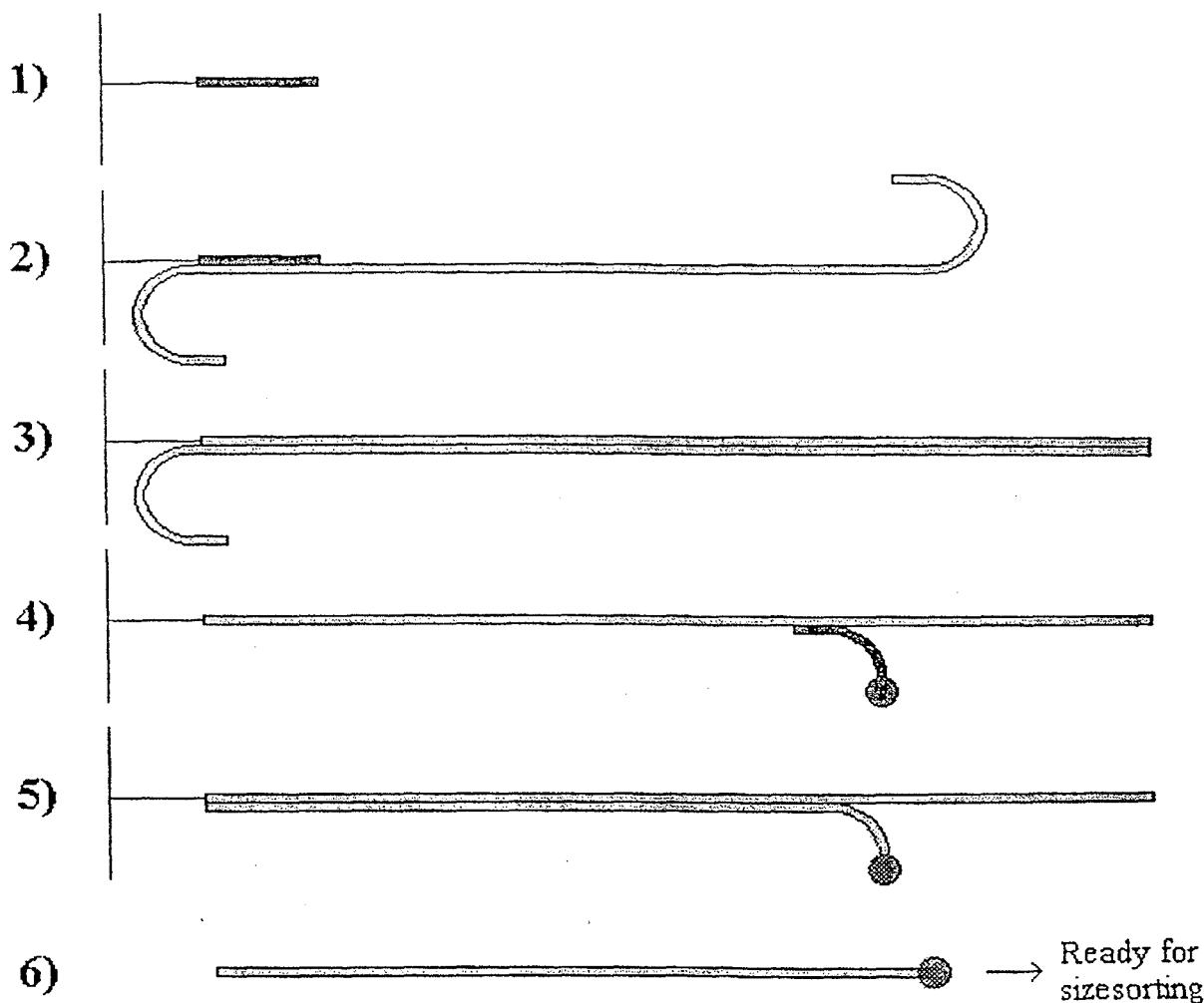
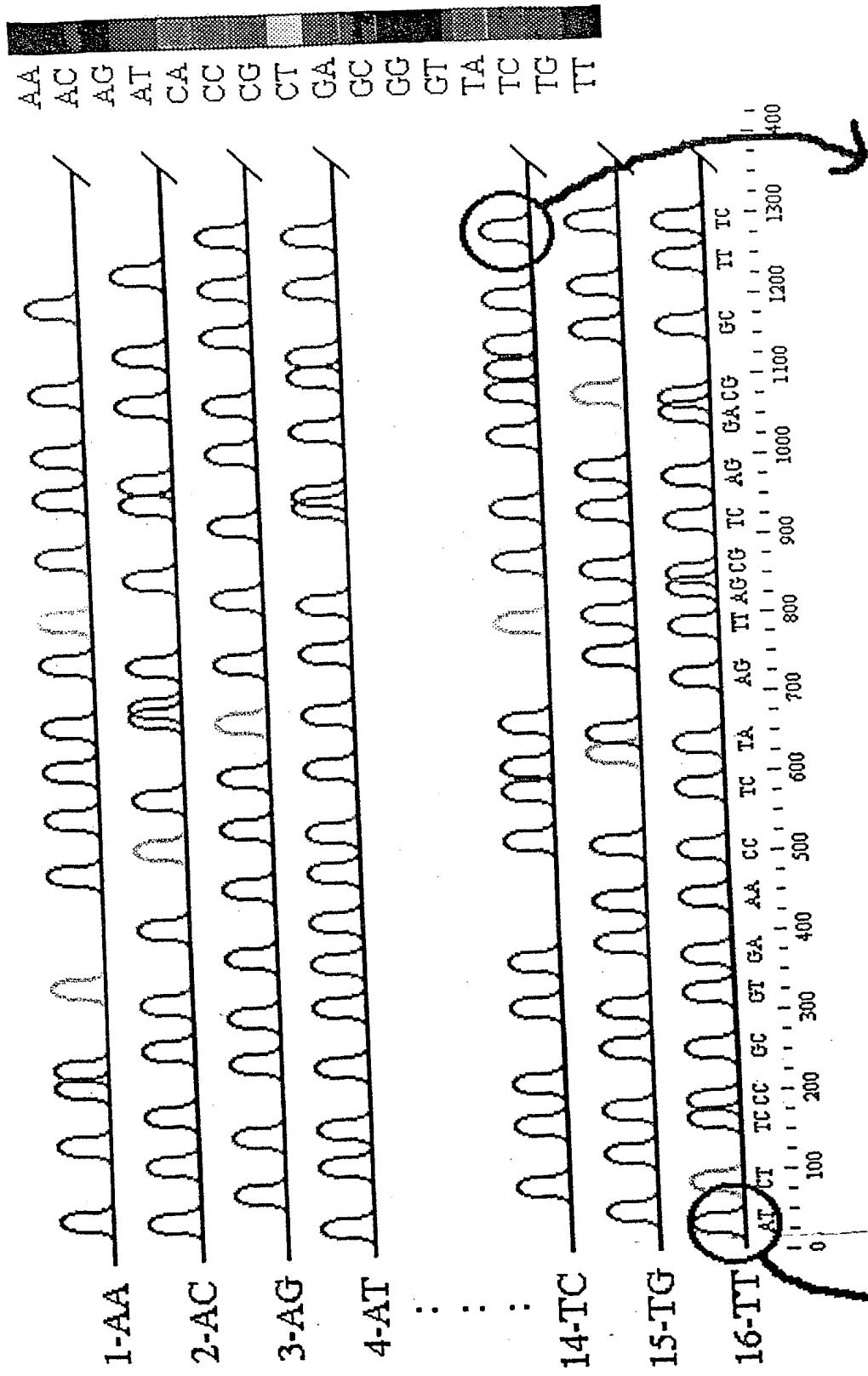


FIG. 12A



FIG. 12B

FIG. 12C



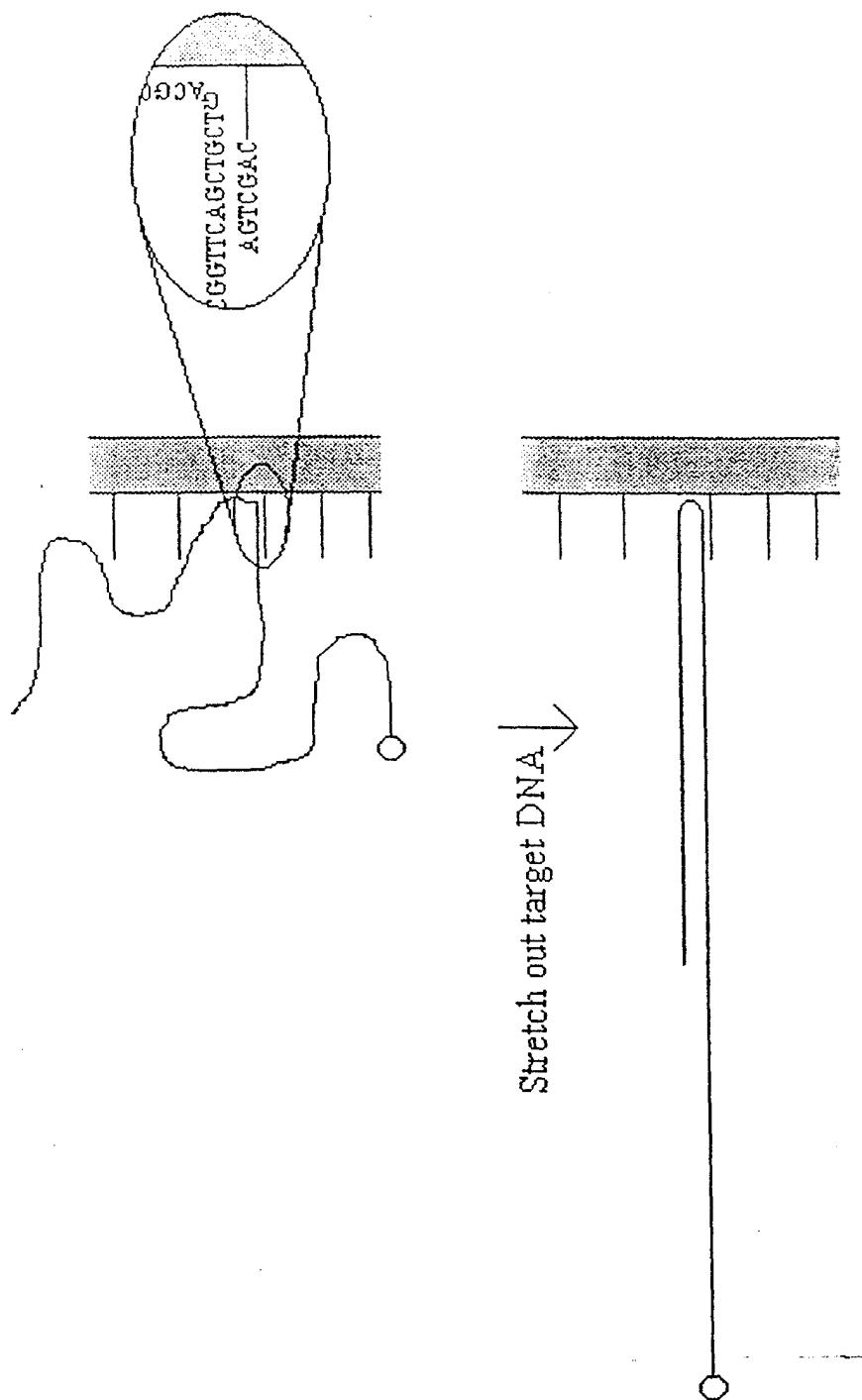


FIG. 13A

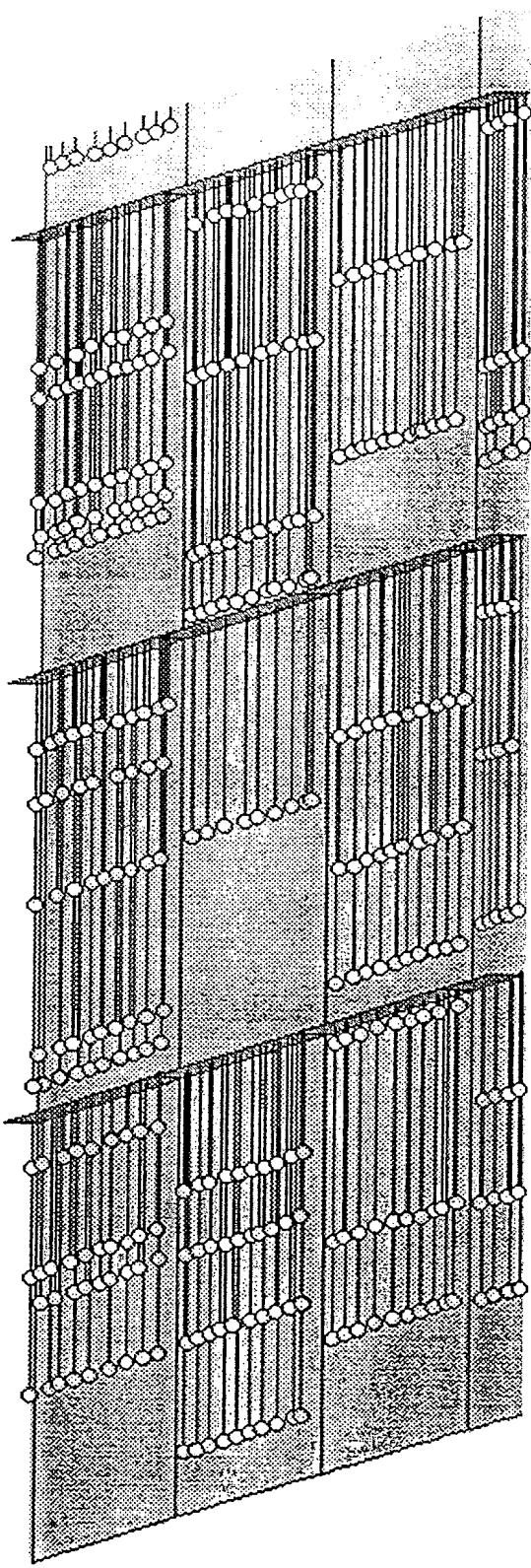


FIG. 13B

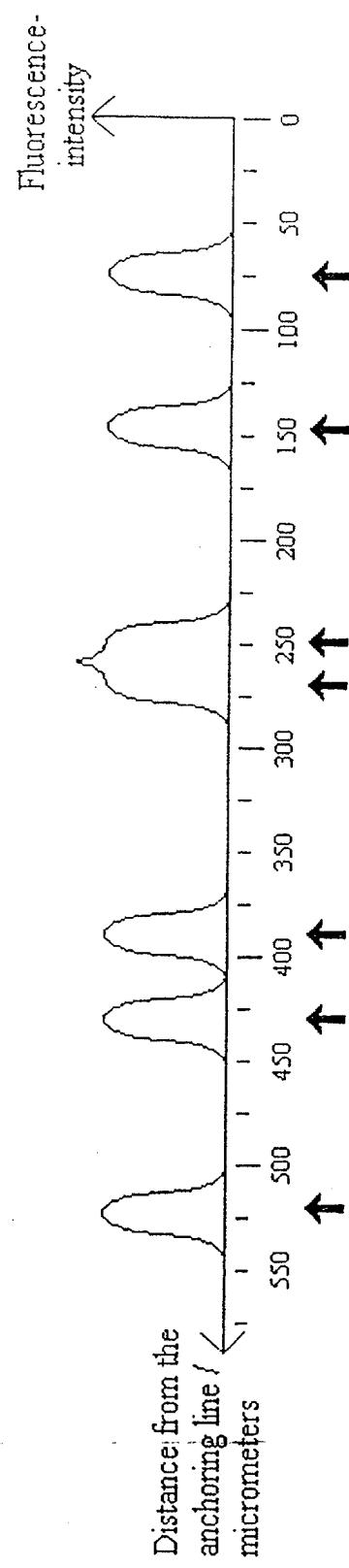


FIG. 13C

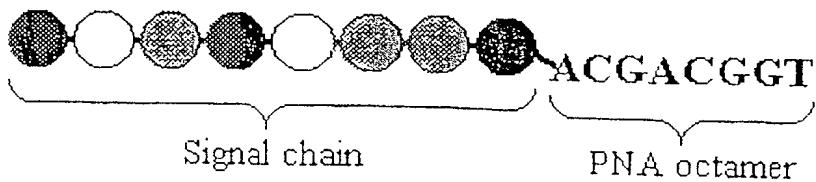


FIG. 14A

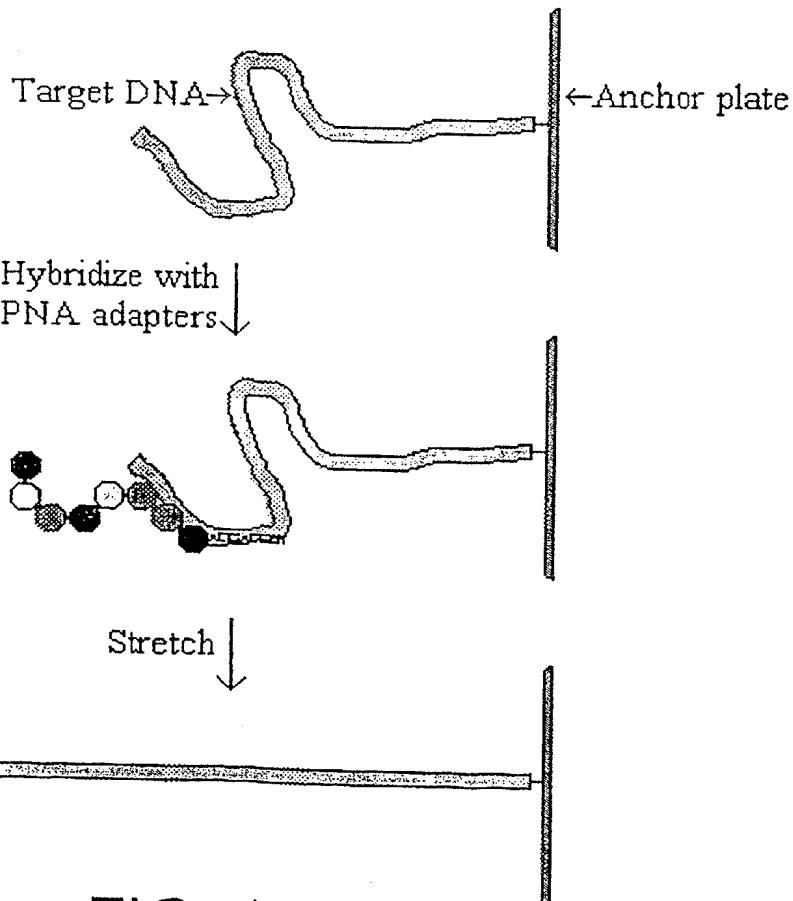


FIG. 14B

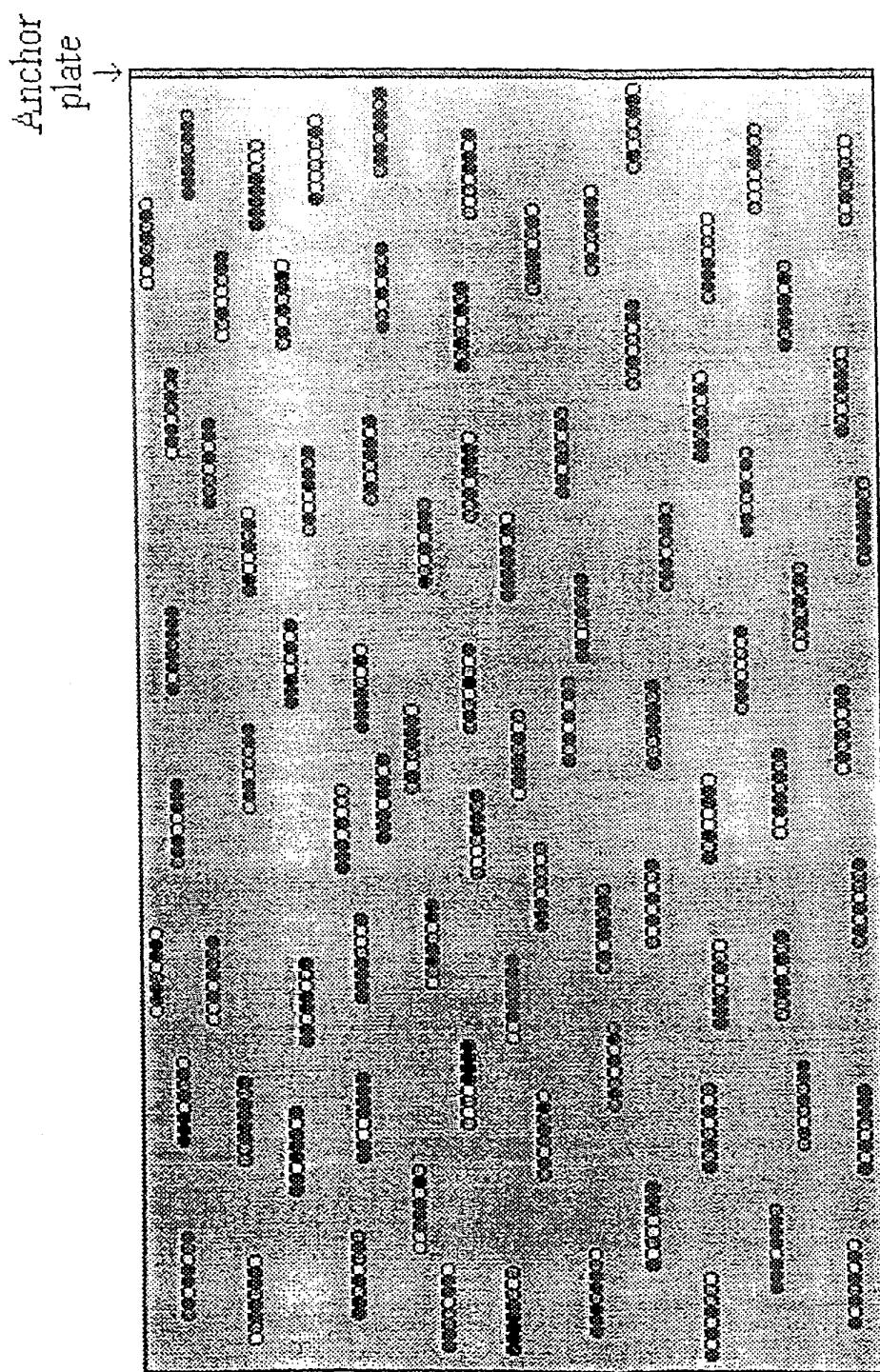


FIG. 14C

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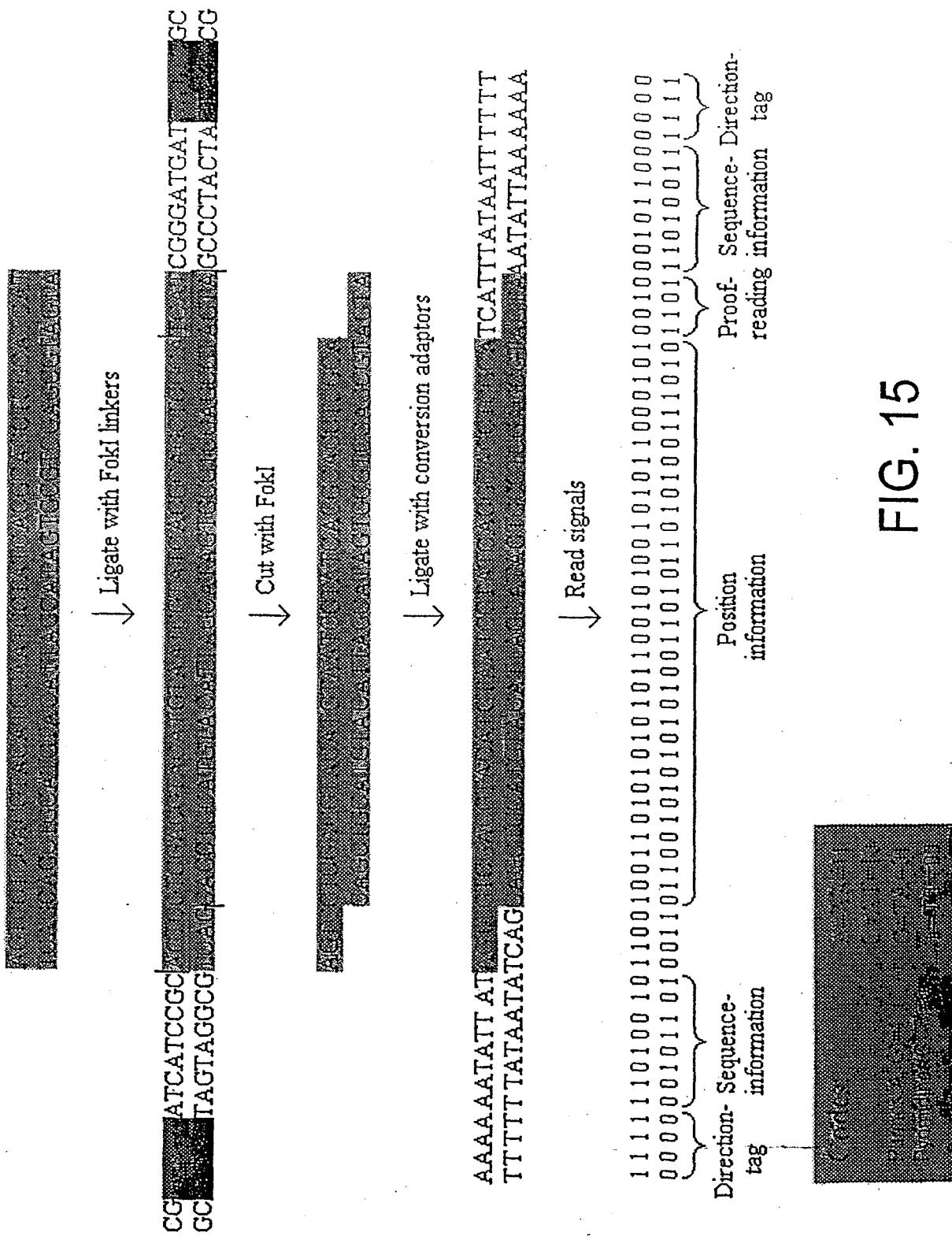


FIG. 15

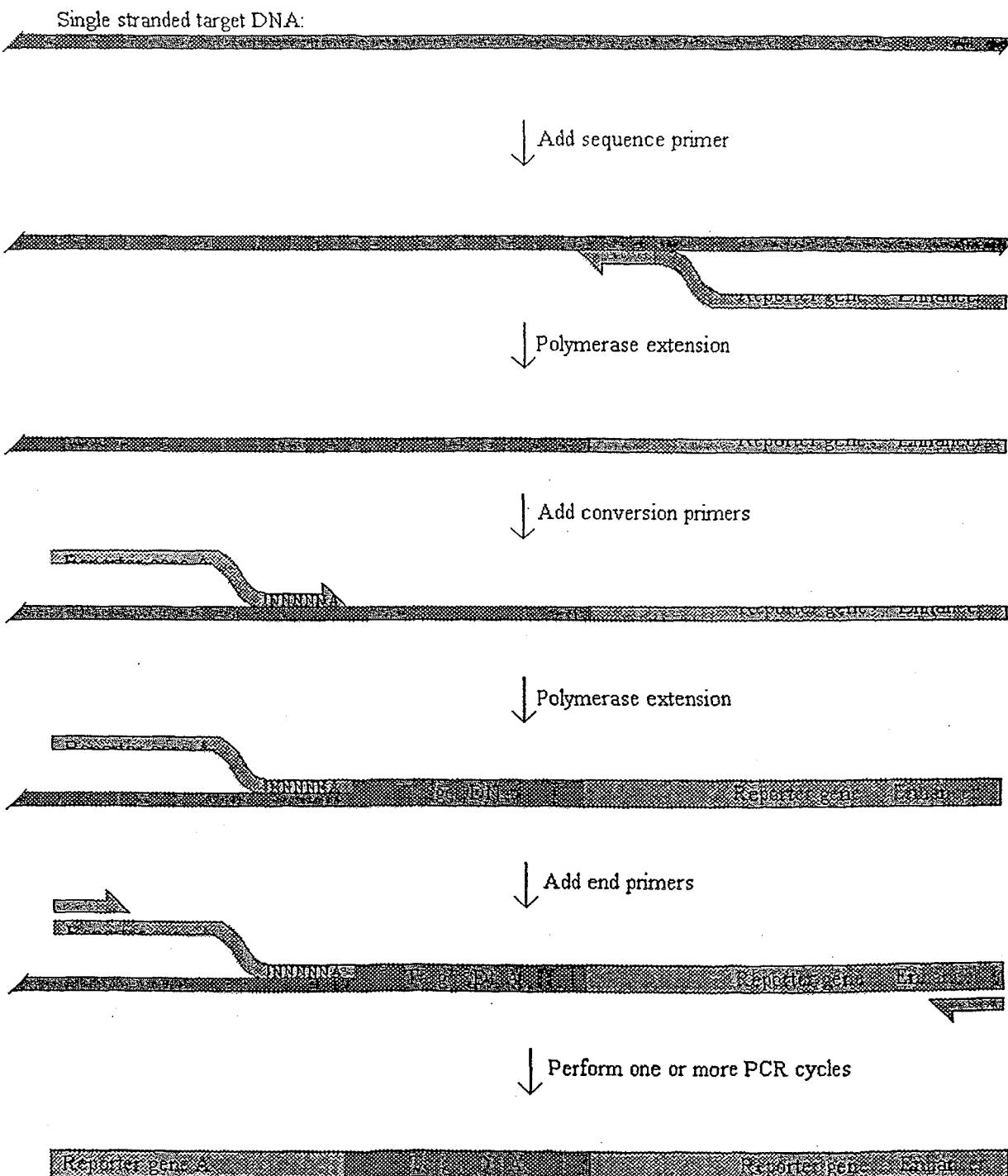


FIG. 16A

Number of cells

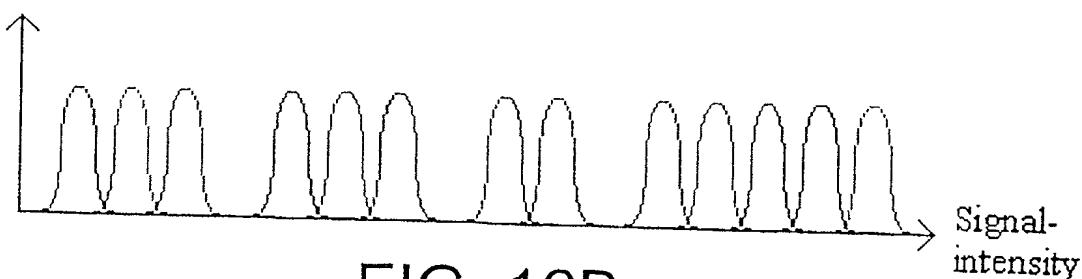


FIG. 16B

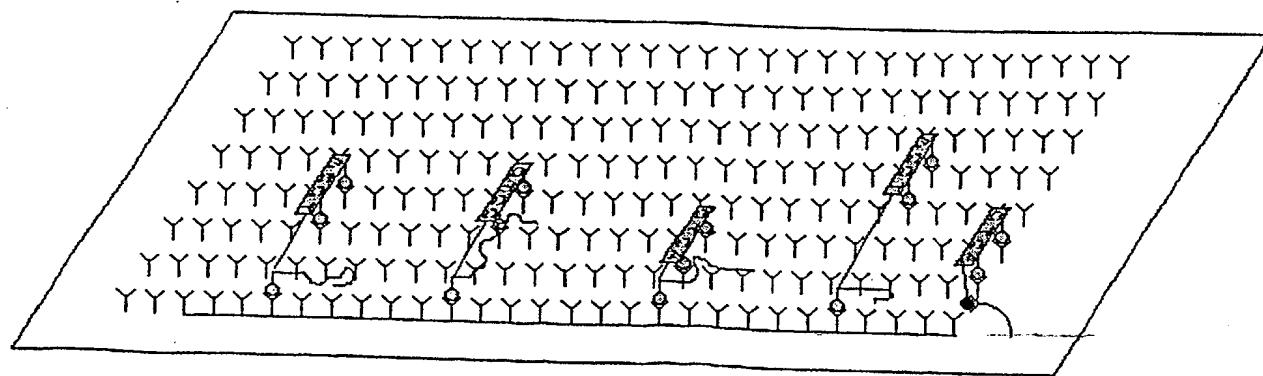
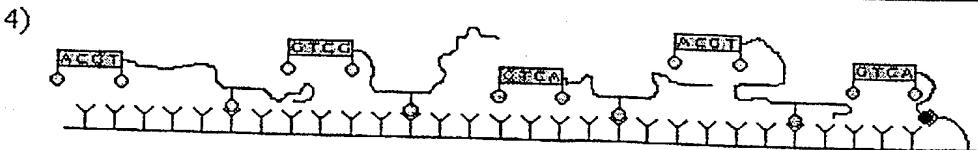
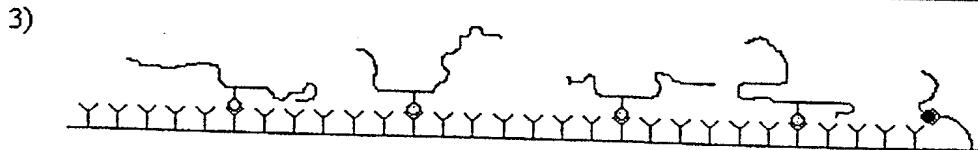
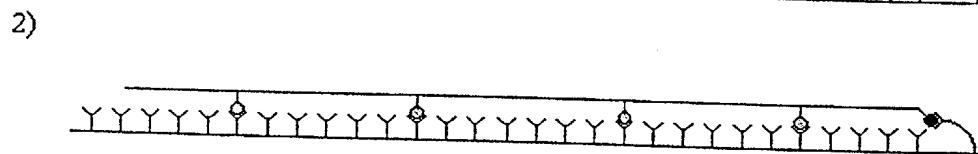
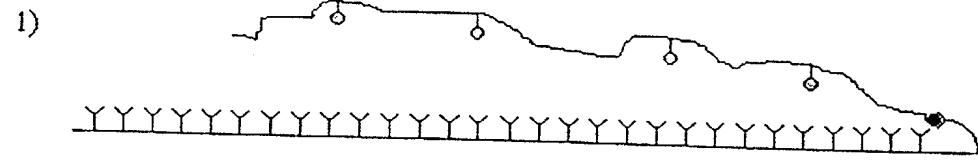


FIG. 18

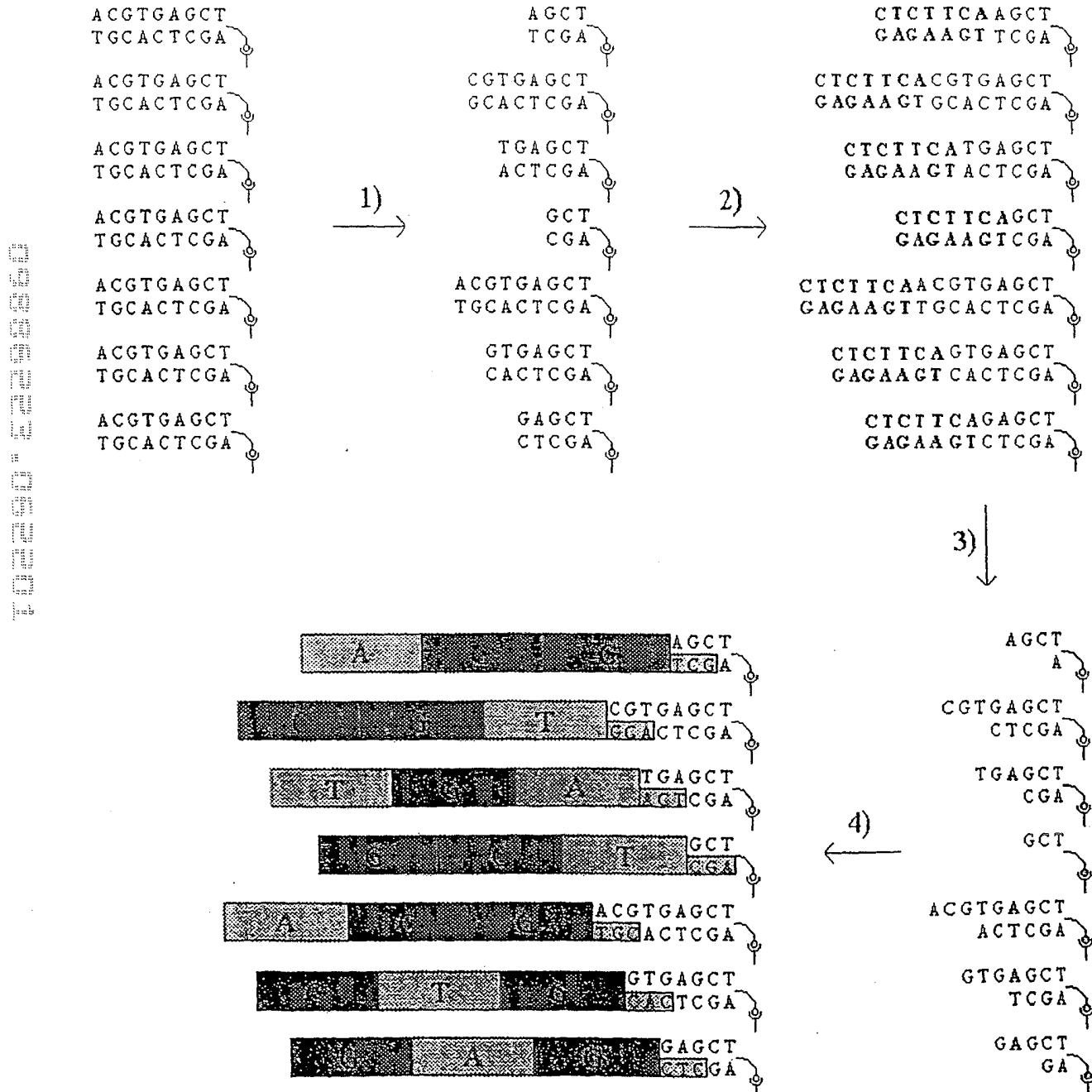


FIG. 17

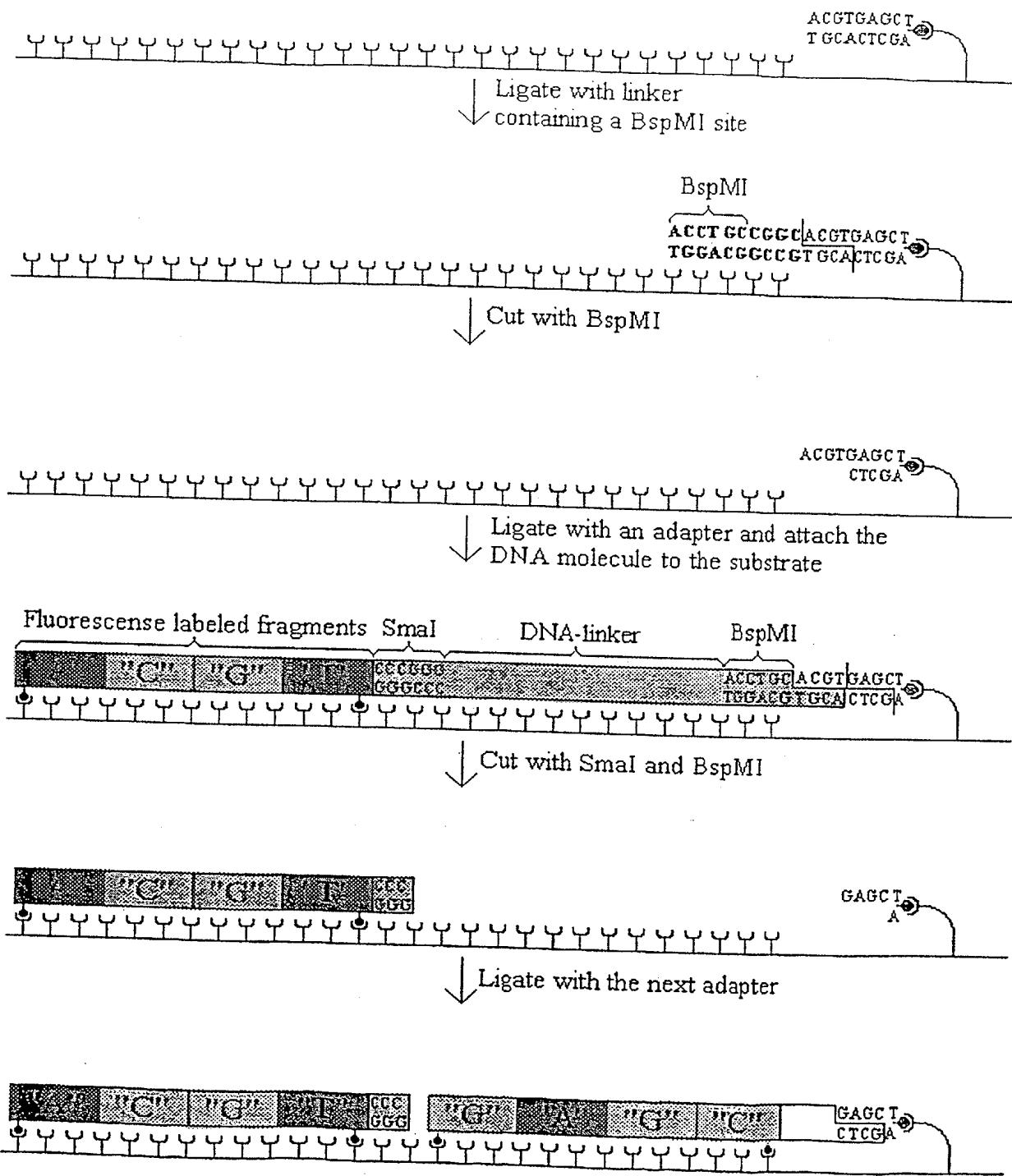


FIG. 19

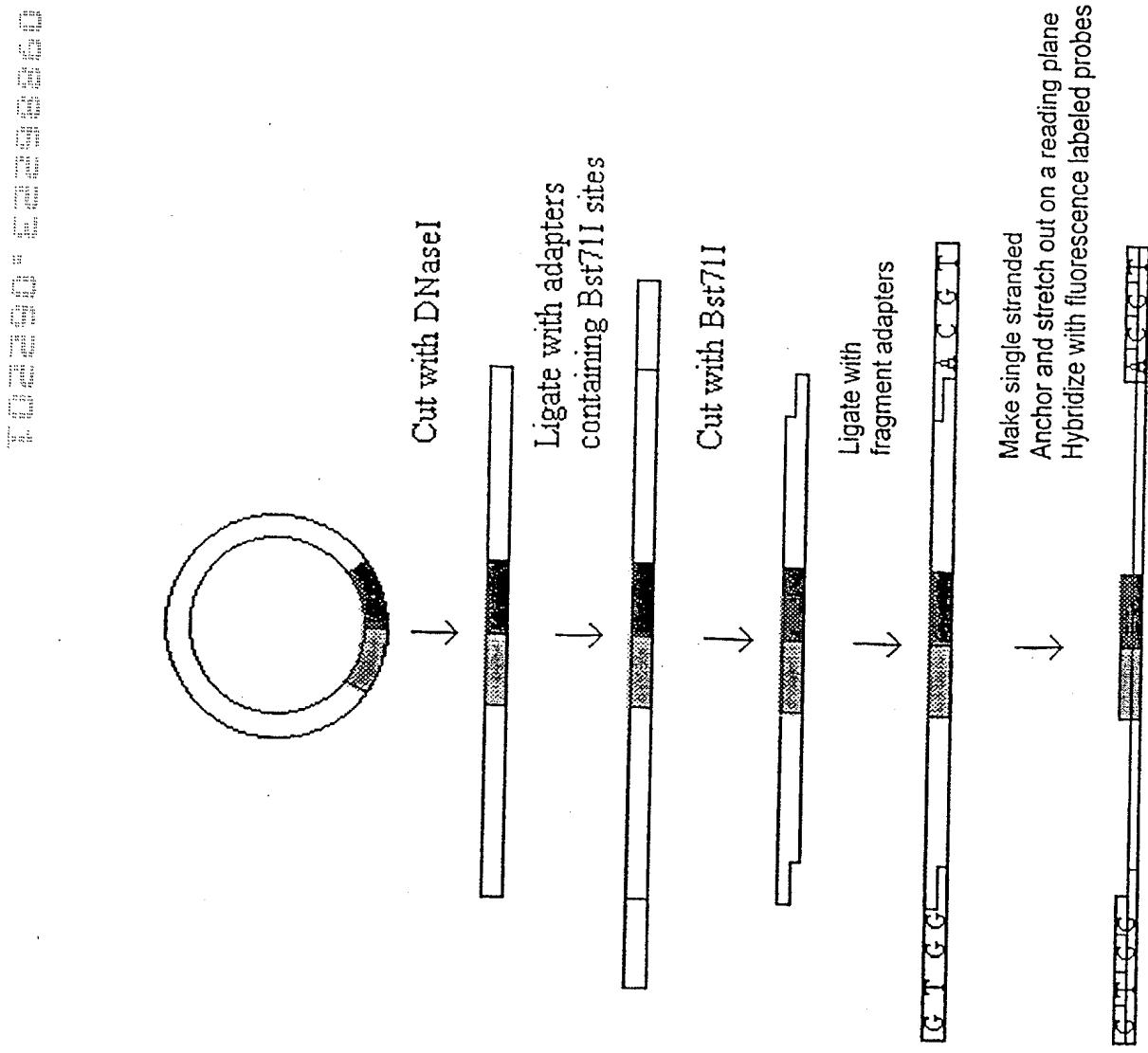


FIG. 20

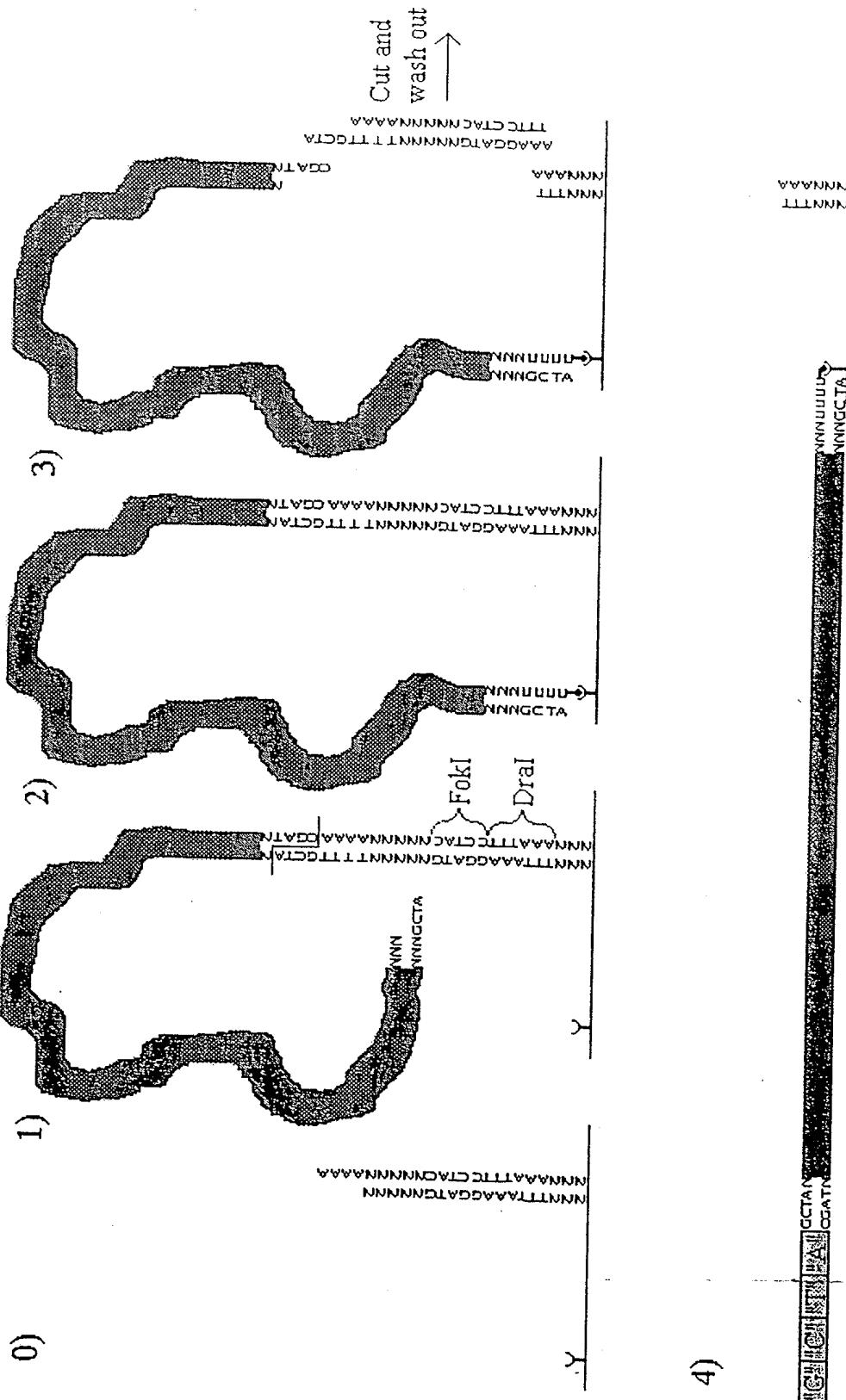


FIG. 21

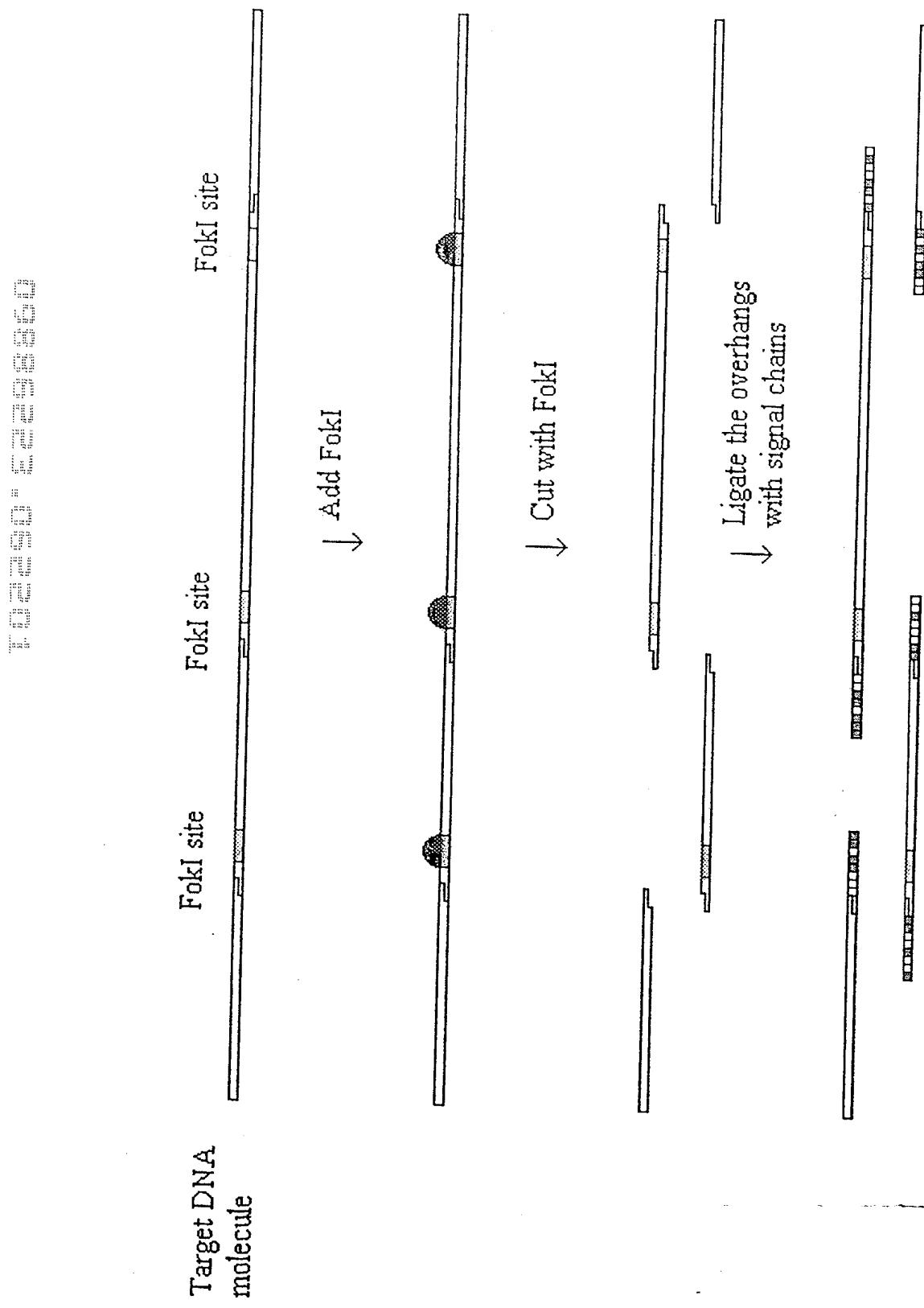


FIG. 22

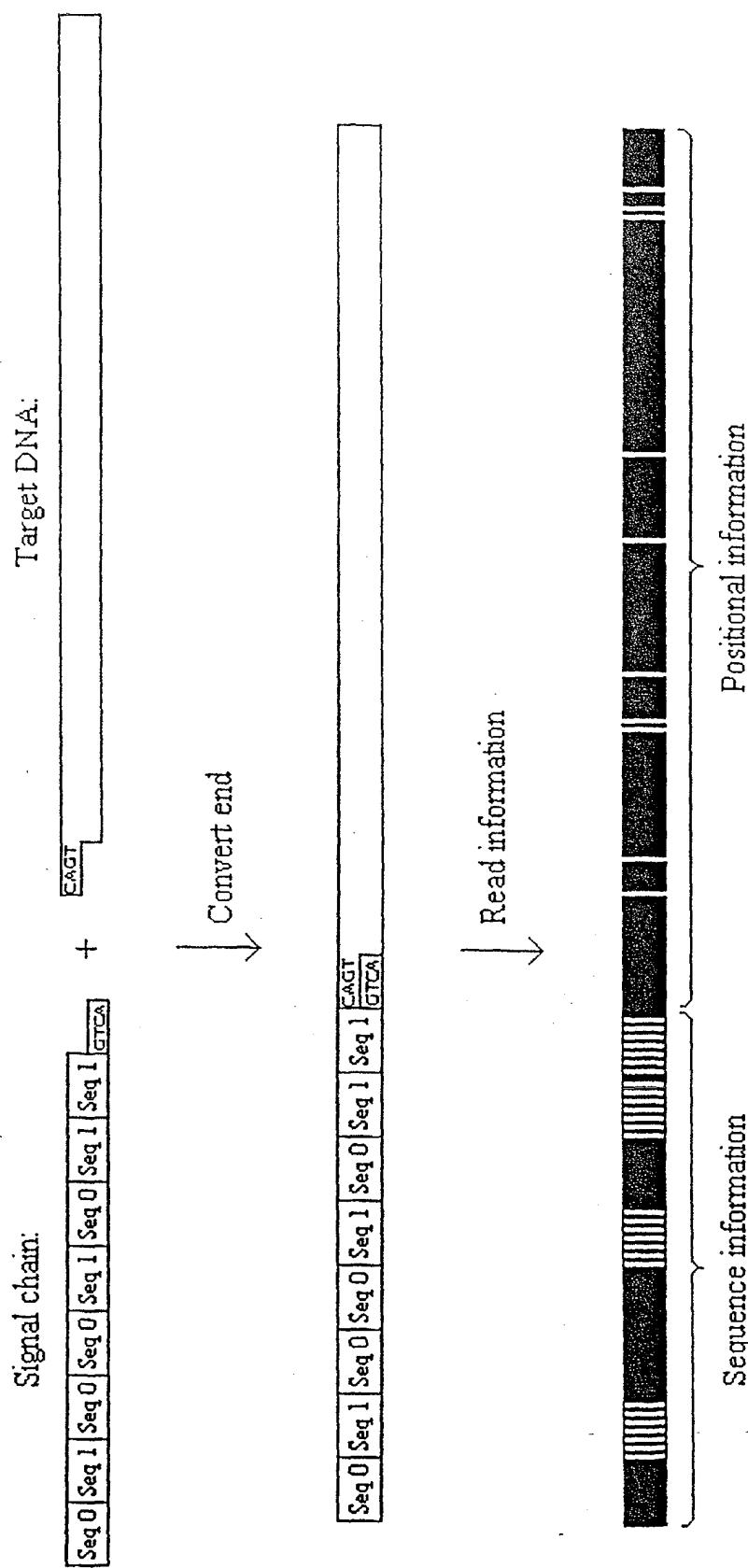
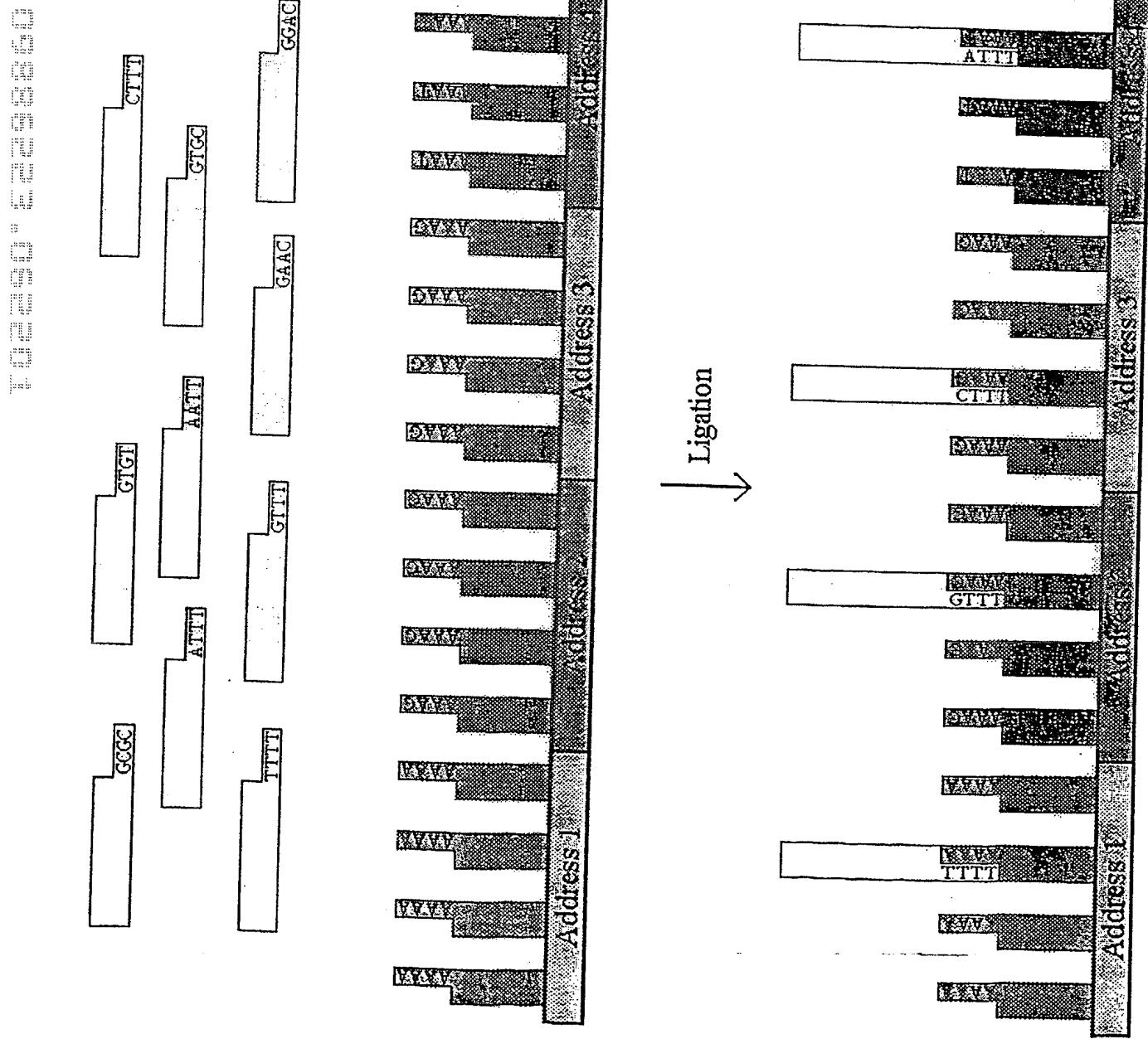


FIG. 23

FIG. 24



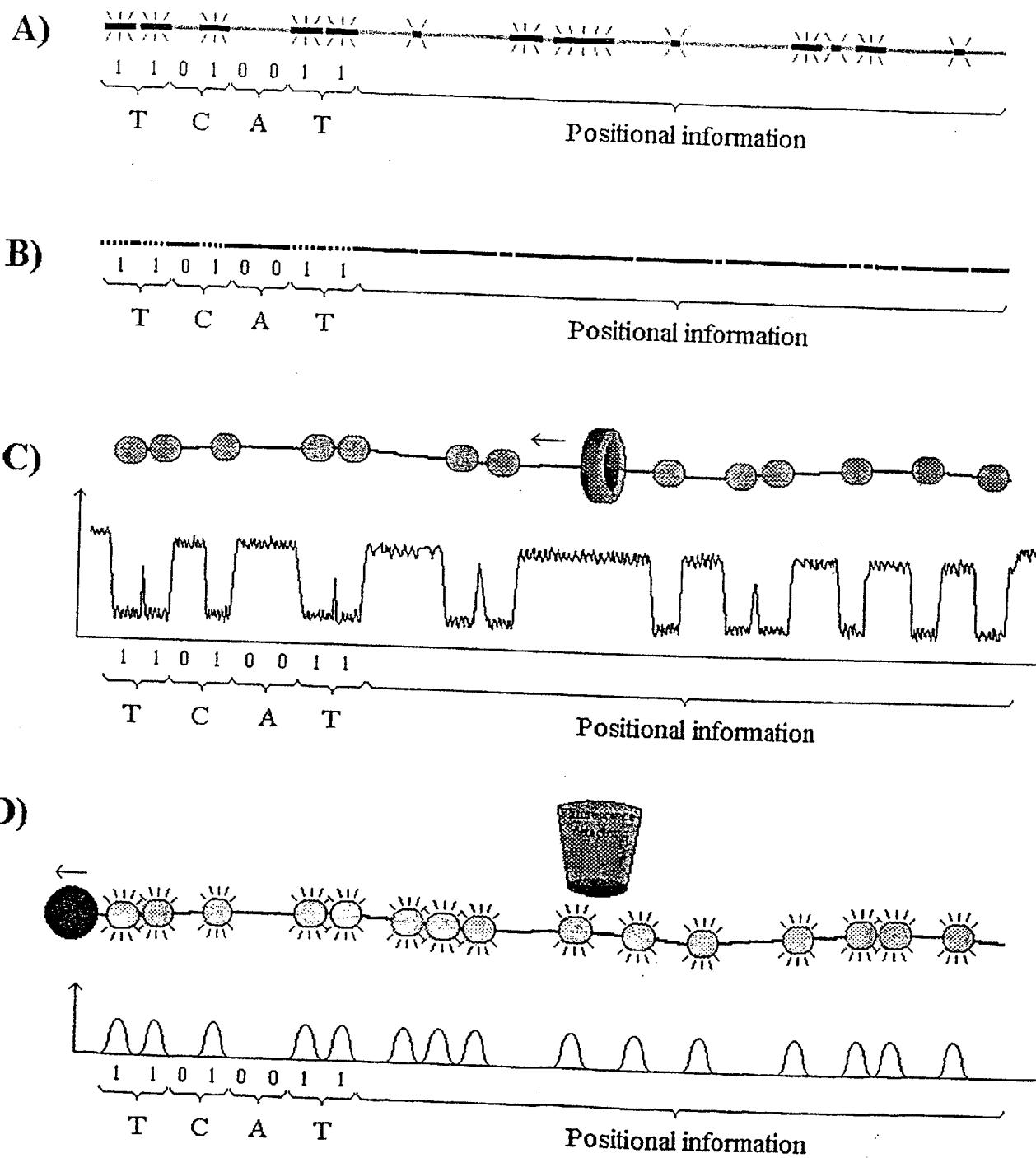


FIG. 25